



Federal Energy
Regulatory
Commission

Office of
Energy
Projects

September 2018

FERC/DEIS-0285D

**DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR
Port Arthur Liquefaction Project, Texas Connector Project,
and Louisiana Connector Project**

Port Arthur LNG, LLC
PALNG Common Facilities Company, LLC
Port Arthur Pipeline, LLC

Docket Nos.: CP17-20-000
CP17-21-000
CP17-21-001
CP18-7-000

Volume II



Source: Semptra LNG & Midstream, Port Arthur Liquefaction Project Website, 2018

Federal Energy Regulatory Commission
Office of Energy Projects
Washington, DC 20426

Cooperating Agencies:



US Army Corps
of Engineers®

U.S. Army Corps
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U.S. Coast
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of Energy



U.S. Department
of Transportation
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APPENDIX A

DRAFT ENVIRONMENTAL IMPACT STATEMENT DISTRIBUTION LIST

Appendix A
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Forest Service - Ecosystem Management Coordination
Joe Carbone, Assistant Director, NEPA
Natural Resources Conservation Service
Andree DuVarney, National Environmental Coordinator

Department of Agriculture, LA

Natural Resources Conservation Service, Louisiana State Office
Kevin D. Norton, State Conservationist

Department of Agriculture, TX

Natural Resources Conservation Service
Salvador Salinas, State Conservationist

Department of Commerce, FL

National Oceanic and Atmospheric Administration, National Marine Fisheries Service
Karla Reece, Section 7 Lead, Southeast Regional Office
Rusty Swafford, Branch Chief, Southeast Regional Office

Department of Commerce, LA

National Oceanic and Atmospheric Administration, National Marine Fisheries Service
Twyla Cheatwood, Fishery Biologist, Habitat Conservation Division, c/o LSU

Department of Commerce, MD

National Oceanic and Atmospheric Administration, National Marine Fisheries Service
Steve Leathery, NOAA NEPA Coordinator

Department of Commerce, TX

National Oceanic and Atmospheric Administration, National Marine Fisheries Service
Aaron Chastain
Heather D. Young

Department of Defense, DC

Steve Sample, Siting Clearinghouse
Office of the Assistant Secretary of the Army for Civil Works
Assistant for Environment, Tribal & Regulatory Affairs
Office of the Assistant Secretary of the Navy (Energy, Installations and Environment)

Office of the Deputy Assistant Secretary of the Air Force (Installations)
Liaison, DoD Siting Clearinghouse, SAF/IEI
Office of the Deputy Assistant Secretary of the Army (Energy & Sustainability)
Liaison, DoD Siting Clearinghouse
Office of the Deputy Under Secretary of Defense (Installations & Environment)
Chief, Mission Evaluation Branch, DOD Siting Clearinghouse
U.S. Army Corps of Engineers
John Furry, Senior Policy Advisor

Department of Defense, LA

U.S. Army Corps of Engineers, New Orleans District
Brenda Archer, Project Manager
Darrell Barbara, Chief
James Little, Project Manager
Martin Mayer
Trent Stockton, Archaeologist and Tribal Liaison

Department of Defense, TX

U.S. Army Corps of Engineers, Galveston District
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Felicity Dodson, Regulatory Project Manager
Jayson Hudson

Department of Energy, DC

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Division of Natural Gas Regulatory Activities
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Office of Environment
Ed DeLuc, Deputy Assistant General Counsel
Office of Environmental Management
Mark Whitney, Principal Deputy Assistant Secretary
Office of NEPA Policy and Compliance
Brian Costner, Acting Director, OGC

Department of Health and Human Services, DC

Edward Pfister, Environmental Program Manager
Everett Bole, Chief Environmental Officer

Department of Health and Human Services, GA

Centers for Disease Control and Prevention, National Center for Environmental Health
Sharunda Buchanan, Director, Division of Emergency and Environmental Health
Services

Department of Homeland Security, DC

U.S. Coast Guard
Daniel McQuate
John Nolan
U.S. Coast Guard, Deepwater Ports Standards Division

Curtis E. Borland, Attorney/Advisor, Commandant (CG-OES-4) Chief (Acting)
U.S. Customs and Border Protection
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Department of Homeland Security, FL

U.S. Coast Guard, 7th District
Andrew Bobick

Department of Homeland Security, LA

U.S. Coast Guard
Nathaniel Robinson

Department of Homeland Security, TX

U.S. Coast Guard
Daniel Cost
Byron Inagaki
John H. Lovejoy
MSTC Jamie L. Merriman, Facilities Division Chief
LT Ryan Mitchell, MSU Port Arthur Facilities Division Officer
Keith Pierre
Ken Smith
MSTC Justin Swain, MSU Port Arthur Facilities Division Chief
Jacqueline Twomey
U.S. Coast Guard, Marine Safety Center
Captain Randal S. Ogrydziak

Department of Housing and Urban Development, DC

Office of Environment and Energy
Danielle Schopp, Community Planner

Department of Justice, DC

Environment and Natural Resources Division
NEPA Coordinator

Department of State, DC

Bureau of Oceans & International Environmental & Scientific Affairs
Alexander Yuan, Foreign Affairs Officer

Department of the Interior, CO

National Park Service
Patrick Walsh, Chief, Environmental Planning and Compliance Branch

Department of the Interior, DC

Bureau of Indian Affairs
Terry L McClung, NEPA Coordinator
Bureau of Land Management
Kerry Rogers, Senior NEPA Specialist

Department of the Interior, LA

U.S. Fish and Wildlife Service, Louisiana Ecological Services
Patti Holland

Joshua Marceaux, Conservation Planning Assistance Biologist
David Oster, Conservation Planning Assistance Biologist
Joseph Ranson, Field Supervisor
Brad Rieck
Monica Sikes
Karen Soileau
Angela Trahan
Jeff Weller

Department of the Interior, TN

Bureau of Indian Affairs, Eastern Region
Harold Peterson, Natural Resource Officer
Randall Trickey

Department of the Interior, TX

U.S. Fish and Wildlife Service, Houston Ecological Services Field Office
Moni Belton

Department of the Interior, VA

Bureau of Indian Affairs
BJ Howerton, EMS / EMAP Program Manager
Pamela Snyder-Osmun, EMS / EMAP Program Manager
Bureau of Ocean Energy Management
Dr. Jill Lewandowski, Chief, Division of Environmental Assessment
Bureau of Safety and Environmental Enforcement
David Fish, Chief, Environmental Compliance Division
U.S. Geological Survey
Esther Eng, Chief, Environmental Management Branch

Department of Transportation, DC

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Office of Assistant Secretary for Transportation Policy
Camille Mittelholtz, Environmental Policy Team Coordinator
Helen Serassio, Senior Environmental Attorney Advisor
Pipeline and Hazardous Materials Safety Administration
Magdy El-Sibaie, Associate Administrator for Hazardous Materials Safety
Jeffrey Wiese, Associate Administrator for Pipeline Safety
Pipeline and Hazardous Materials Safety Administration, Office of Pipeline Safety
Bryn Karaus, Senior Attorney
Kenneth Y Lee, Director, Engineering and Research Division
Karen Lynch, National CATS Coordinator
Joseph Sieve, General Engineer
Ahuva Battams, Attorney Advisor
Melanie Stevens, Attorney Advisor
Surface Transportation Board
Victoria Rutson, Chief, Section of Environmental Analysis

Department of Transportation, TX

Pipeline and Hazardous Materials Safety Administration, Office of Pipeline Safety, Southwest Region
Alfred Giordano, Engineer

Buddy Secor, Supervisor
Meredith Secor, Supervisor
Robert Smith
Rodrick M. Seeley, Director
Sentho White, Engineer
Thach Nguyen

Environmental Protection Agency, DC

Jerome Blackman, Natural Gas STAR
Office of Enforcement and Compliance Assurance
Cynthia Giles, Assistant Administrator
Office of Federal Activities
Susan E Bromm, Director

Environmental Protection Agency, TX

Region 6

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Isaac Chen
Robert Houston, Chief, Office of Planning and Coordination
Paul Kaspar, Chief, Permits Oversight Section
Rob Lawrence
Kimeka Price, NEPA Project Manager
Nick Stone, WIPP Project Officer
John Walser
Water Quality Protection Division
Bill Honker, Director

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Lisa Murkowski, Chair

Native American Tribes

Edwina Butler-Wolfe, Governor, Absentee Shawnee Tribe of Oklahoma, OK
Erin Thompson, Tribal Historic Preservation Officer, Absentee Shawnee Tribe of Oklahoma, OK
Bryant Celestine, Historic Preservation Clerk, Alabama Coushatta Tribe of Texas, TX
JoAnn Battise, Chairperson, Alabama-Coushatta Tribe of Texas, OK
Tarpie Yargee, Chief, Alabama-Quassarte Tribal Town, OK
Bobby Komardley, Chairman, Apache Tribe of Oklahoma, OK
Tamara Francis Fourkiller, Chairperson, Caddo Nation, OK
Tamara Francis-Fourkiller, Tribal Historic Preservation Officer, Caddo Nation, OK
Bill John Baker, Principal Chief, Cherokee Nation of Oklahoma, OK
Melissa Darden, Chairman, Chitimacha Tribe of Louisiana, LA
Kimberly Walden, Tribal Historic Preservation Officer, Chitimacha Tribe of Louisiana, LA
Gary Batton, Chief, Choctaw Nation of Oklahoma, OK
Dr. Ian Thompson, Tribal Historic Preservation Officer, Choctaw Nation of Oklahoma, OK
Martina Callahan, Tribal Historic Preservation Officer, Comanche Nation of Oklahoma, OK
Willie Nelson, Chairman, Comanche Nation of Oklahoma, OK
Dr. Linda Langley, Tribal Historic Preservation Officer, Coushatta Tribe of Louisiana, LA
David Sickey, Chairman, Coushatta Tribe of Louisiana, LA
Alina Shively, Tribal Historic Preservation Officer, Jena Band of Choctaw Indians, LA

B. Cheryl Smith, Tribal Chief, Jena Band of Choctaw Indians, LA
 Dr. Jeffrey Blythe, Tribal Historic Preservation Officer, Jicarilla Apache Nation, NM
 Wainwright Velarde, President, Jicarilla Apache Nation, NM
 Mekko-Tiger Hobia, Town King, Kialegee Tribal Town, OK
 Estavio Elizondo, Chairman, Kickapoo Traditional Tribe of Texas, TX
 David Pacheco, Chairperson, Kickapoo Tribe of Oklahoma, OK
 Matthew Komalty, Chairperson, Kiowa Tribe of Oklahoma, OK
 Danny H. Breuninger, Sr., President, Mescalero Apache Tribe, NM
 Holly Houghten, Tribal Historic Preservation Officer, Mescalero Apache Tribe, NM
 Phyliss J. Anderson, Chief, Mississippi Band of Choctaw Indians, MS
 Kenneth Carleton, Tribal Archaeologist & Tribal Historic Preservation Officer, Mississippi Band of
 Choctaw Indians, MS
 James Floyd, Principal Chief, Muscogee (Creek) Nation, OK
 Corain Lowe-Zepeda, Tribal Historic Preservation Officer, Muscogee (Creek) Nation, OK
 Geoffry M. Standing Bear, Principal Chief, Osage Nation, OK
 Dr. Andrea A. Hunter, Tribal Historic Preservation Officer, Osage Nation, OK
 Stephanie Bryan, Chairwoman, Poarch Band of Creek Indians, AL
 Carolyn White, Acting Tribal Historic Preservation Officer, Poarch Band of Creek Indians, AL
 Everett Bandy, Tribal Historic Preservation Officer, Quapaw Tribe of Oklahoma, OK
 John L. Berrey, Chairman, Quapaw Tribe of Oklahoma, OK
 Natalie Harjo, Historic Preservation Officer, Seminole Nation of Oklahoma, OK
 Leonard M. Harjo, Principal Chief, Seminole Nation of Oklahoma, OK
 Dr. Paul Backhouse, Tribal Historic Preservation Officer, Seminole Tribe of Florida, FL
 Marcellus W. Osceola, Jr., Chairman, Seminole Tribe of Florida, FL
 Kerry Holton, President, The Delaware Nation, OK
 Ryan Morrow, Town King, Thlopthlocco Tribal Town , OK
 Emman Spain, Tribal Historic Preservation Officer, Thlopthlocco Tribal Town , OK
 Russell Martin, President, Tonkawa Tribe of Oklahoma, OK
 Earl J. Barbry, Jr., Tribal Historic Preservation Officer, Tunica-Biloxi Tribe of Louisiana, LA
 Marshall Sampson, Sr. & Beverly Chapman-Rachel, Co-Administrators, Tunica-Biloxi Tribe of
 Louisiana, LA
 Joe Bunch, Chief, United Keetoowah Band of Cherokee Indians, OK
 Terri Parton, President, Wichita and Affiliated Tribes, OK
 Carlos Hisa, Governor, Ysleta Del Sur Pueblo of Texas, TX

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 The Honorable John Neely Kennedy

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 The Honorable Mike Johnson

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Senate

The Honorable John Cornyn
 The Honorable Ted Cruz

House of Representatives
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Department of Agriculture and Forestry, Soil and Water Conservation
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Department of Environmental Quality
Tom Killeen, Administrator, Inspection Division
Kathleen Landry
Scott Wilkinson

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Elliott Vega, Assistant Secretary

Department of Environmental Quality, Southwest Regional Office
Billy Eakin, Regional Manager

Department of Environmental Quality, Water Permits Division
Dave Butler, Permits Coordinator

Scott Guilliams , Administrator
Elizabeth Hill, Permits Coordinator

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Thomas Harris, Secretary
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Karl Morgan
O.C. Smith
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Department of Wildlife and Fisheries, Lake Charles Field Office

Department of Wildlife and Fisheries, Opelousas Charles Field Office

Office of Cultural Development
Phil Boggan, State Historic Preservation Officer

Office of Cultural Development, Division of Archaeology
Charles "Chip" McGimsey, State Archaeologist
Rachel Watson, Section 106 Review

Office of Cultural Development, Division of Historic Preservation
Mike Varnado, Section 106/Standing Structures

Office of State Lands
Cheston Hill, Section Manager
Jonathon Robillard, Public Lands Administrator

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Commission on Environment Quality
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Gregg Easley, Manager
Rebecca Villalba

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Lower Neches Valley Authority
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Parks and Wildlife Department

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Carey Gelpi, Sabine Lakes Ecosystem Leader
Michael Rezsutek
Jim Sutherlin

Parks and Wildlife Department, Coastal Fisheries Division

Michael N. Morgan, Coastal Ecologist
Mike Morgan

Parks and Wildlife Department, J.D. Murphree Wildlife Management Area

Railroad Commission of Texas

Grant Chambless
Kari French, Oversight & Safety Director
Gaye McElwain, Public Outreach information Officer
James Osterhaus

Sabine Neches Navigation District

Randall Reese, Executive Director

Sabine Pass Port Authority

Sherry Droddy, Manager

Texas General Land Office

Mollie Powell, Regional Field Office Manager
Glenn Rosenbaum
Tony Williams

Texas Historical Commission

Bill Martin, Archeologist and Reviewer
Kerry Nichols, Terrestrial Archaeologist

Texas Workforce Commission

Dale A. Robertson

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Creig Vizena, President

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John Stebbins, Police Juror
N.R. "Rusty" Williamson, Police Juror, President

Calcasieu Parish

Francis Andrepont, Police Juror
Judd Bares, Police Juror
Bryan C. Beam, Parish Administrator
Kevin Guidry, Police Juror, President
Hal McMillin, Police Juror
Sandra Treme, Police Juror

Cameron Parish

Ryan Bourriaque, Parish Administrator
Curtis Fountain, Police Juror, President
Anthony "Dino" Hicks, Police Juror

Evangeline Parish

Ryan M. Ardoin, Police Juror, President
Donald Bergeron, Secretary-Treasurer
Sidney A. Fontenot, Police Juror
Rocky Rider, Police Juror
Eric Soileau, Police Juror
Bryan Vidrine, Police Juror

St. Landry Parish

St. Landry Parish Government
Vallie Theriot, Permit Officer

Texas

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Waterway and Navigation District
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Eddie Arnold, County Commissioner
Jeff Branick, County Judge
Don Rao, Engineering Department
Michael Shane Sinegal, County Commissioner
Brent Weaver, County Commissioner

Orange County

Brint Carlton, Judge
Bobby Fillyaw, Director, Economic Development Corporation

City Agencies

Eunice Chamber of Commerce, Eunice, LA
Scott Fontenot, Mayor, Eunice, LA
Jason Herbert, President, Kinder Chamber of Commerce, Kinder, LA
Michael Holmes, Representative, Kinder, LA
George Swift, President/CEO, SWLA Economic Development Alliance/SWLA Chamber of Commerce,
Lake Charles, LA
Town of Mamou, Mamou, LA

Regina Lindsey, President, Greater Beaumont Chamber of Commerce, Beaumont, TX
Jim Rich, Honorary Member, Greater Beaumont Chamber of Commerce, Beaumont, TX
Becky Ames, Mayor, Beaumont, TX
Wayland LaFargue, Mayor, Kinder, TX
R. A. "Dick" Nugent, Mayor, Nederland, TX
Ida Schossow, President, Greater Orange Area Chamber of Commerce, Orange, TX
Floyd Gaspard, Executive Port Director, Port Arthur, TX
Darlene Thomas-Pierre, Director of Code Compliance, Port Arthur, TX
Brian McDougal, City Manager, Port Arthur, TX
Bill McCoy, President, Greater Port Arthur Chamber of Commerce, Port Arthur, TX

Derrick Ford Freeman, Mayor, Port Arthur, TX
Pamela Langfor, Administrative Aide, Port Arthur, TX
Paul Brown, Port Arthur, TX
Philip Vilardi, Port Arthur, TX
Ron Burton, Director of Development Services/ACM, Port Arthur, TX
Willie “Bae” Lewis, Jr., District 5 Council Member, Port Arthur, TX
Orlando Ciramella, Senior Director of Trade Development, Port Arthur, TX

Libraries

Evangeline Library, Basile, LA
Cameron Parish Library, Cameron, LA
Beauregard Parish Library, DeRidder, LA
Eunice Public Library, Eunice, LA
Allen Parish Library - Kinder, Kinder, LA
Calcasieu Parish Library, Lake Charles, LA
Allen Parish Library, Oberlin, LA
Opelousas Public Library, Opelousas, LA
Sulphur Regional Library, Sulphur, LA

Beaumont Public Library, Beaumont, TX
Orange Public Library, Orange, TX
Port Arthur Public Library, Port Arthur, TX

Newspapers

The Advocate, Baton Rouge, LA
CameronPilot, DeQuincy, LA
Beauregard Daily News, DeRidder, LA
The Kinder Courier News, Kinder, LA
American Press, Lake Charles, LA

The Texas Observer, Austin, TX
Beaumont Enterprise, Beaumont, TX
Port Arthur News, Port Arthur, TX

Landowners, Individuals, and Organizations

Sigrid Rothschild c/o Rodolfo Rothschild-Anchorena,
Buenos Aires, Argentina
Eric R Leboeuf, Anchorage, AK
Sidney Stephenson, Hartselle, AL
Darrell Turner, Heflin, AL
John Campbell Winter Jr, Huntsville, AL
Michael Taylor, Senior Environmental Compliance
Advisor, Sempra U.S. Gas & Power, McIntosh, AL
Rayonier Gulf Timberlands, LLC, Mobile, AL
Rayonier Louisiana Timberlands, LLC, Mobile, AL
Rayonier Trs Louisiana Operations, Inc., Mobile, AL
Kay Lynn Eaglin Cabbagestalk, Apo, AP
Elizabeth Smith, Pine Bluff, AR
Isabelle Botley Hawkins, Pine Bluff, AR

Herbert M. Scott and Furlow Living Trust, Ward, AR
Hilda Botley May, White Hall, AR
F.R. Coward (deceased), Bakersfield, CA
Spindletop Renaissance, L.P., Bakersfield, CA
Keith A. Latham, P.E., Kaltech, LLC, El Cajon, CA
Henry Thomas Hey, Los Angeles, CA
Young Family 1996 Trust Dtd June 20, 1996, Nevada
City, CA
Amizetta McFaddin Clark, Saint Helena, CA
Cameron Interstate Pipeline, LLC, San Diego, CA
Port Arthur LNG Holdings, LLC, San Diego, CA
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 Zachariah White, Boulder, CO
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 Golden Triangle Storage – J.N. Miller Property,
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 Hill Songs, LLC, Alexandria, LA
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 LA
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 Curtis Johnson, Basile, LA
 Dana Marie Guidry, Basile, LA
 Davis Ledoux Farm, Inc., Basile, LA
 Del-Gwen Enterprises, Basile, LA
 Deo Lynn Guidry, Basile, LA
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 Geneva Bellon, Basile, LA
 George Dewey Mcgee, Basile, LA
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 J&S Miller Enterprises, Basile, LA
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 Louis John Guidry, Basile, LA
 Michelle Stroder, Basile, LA
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 Nathan & Mona Johnson, Basile, LA
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 Patrick Jean Fruge et al, Basile, LA
 B.H. Timber, LLC, Baton Rouge, LA
 Barbara Jean Pitre Michael, Baton Rouge, LA
 Betty Doelling Miller, Baton Rouge, LA
 Cherie G Giblin, Baton Rouge, LA
 Choupique Edgerly LLC, Baton Rouge, LA
 Craig Frank Holthaus, Baton Rouge, LA
 Jacklyn Buhler, Baton Rouge, LA
 Jean Dupuis Joubert, Baton Rouge, LA
 Jeff Peters, Baton Rouge, LA
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 LPA LLC, Baton Rouge, LA
 William Grant, Baton Rouge, LA
 Butch's Properties LLC, Bell City, LA
 Crain Lands, LLC, Bell City, LA
 Jp Farms, LLC, Bell City, LA
 Howard Romero, Cameron, LA
 Ricky Lane Trahan Et ux, Cameron, LA
 Henry Botley, Carencro, LA
 Joseph R Cart, Chataignier, LA
 Michael Louis Fontenot, Chataignier, LA
 Charley Martin Andrepont, Church Point, LA
 Chester Wimberley Sr, Church Point, LA
 Martha Andrepont Rigsby, Church Point, LA
 Wanna Smith Bellard, Church Point, LA
 Sabine Uplift Mineral Corp., Converse, LA
 J T & Barbara N Primeaux, Creole, LA
 Causby Hamic, Jr., Crowley, LA
 Green-Lapleau Properties, LLC, Crowley, LA
 Laura Mae Gaspard Breaux, Crowley, LA
 Arnold Adrian & Anna R. Flower, De Quincy, LA
 Judy L. Smith, De Quincy, LA
 Randall & Tonia Ann Penny Nolan, De Quincy, LA
 Ronald Vincent & Betty Spears Schrader Thomas,
 De Quincy, LA
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 Kali Kogel, Denham Springs, LA
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 Donna Beth Dupont, Dequincy, LA
 Jacob Eli Bertrand, Dequincy, LA
 Karen Jane Bertrand Collet, Dequincy, LA
 Timothy Allen Treme, Dequincy, LA
 Christina Eve Leblanc, Deridder, LA
 Holton Dale Vincent, Deridder, LA
 U Javi Vasquez, DeRidder, LA
 Judith Ann McClelland Porter, Deville, LA
 Jerry Wayne Courmier, Dry Creek, LA
 M & G Farms, Inc, Dry Creek, LA
 Barbara Williams Langley, Elton, LA

Ben Houston John, Elton, LA
 Betty Jo Putnam Aguillard, Elton, LA
 Christian Y. & Shonna G. Granger, Elton, LA
 Christopher G. & Madeline Aguillard, Elton, LA
 Coushatta Tribe Of La, Elton, LA
 Darlene Dunneho, Elton, LA
 David Ravey, Elton, LA
 Donald Crawford Putnam, Elton, LA
 Douglas Wayne & Rhonda R. Britnell, Elton, LA
 John I. Briscoe, Elton, LA
 Joseph D. Miller, Elton, LA
 Laura Jeanette Vidrine, Elton, LA
 Linda Faye J. Laughlin, Elton, LA
 Lorenda John Poncho, Elton, LA
 Margaret Ceaser, Elton, LA
 Mary Priscilla Lafosse, Elton, LA
 Michael Etienne Cormier, Elton, LA
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 Octave Victor & Carol Savant, Elton, LA
 Paula J Manuel, Elton, LA
 Paula Manuel, Elton, LA
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 Rosaline L. Medford, Elton, LA
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 August III Leonards, Eunice, LA
 Belle Manuel, Eunice, LA
 Blane Allen Frey, Eunice, LA
 Brady Jacque Sanders, Eunice, LA
 Brandon Keith And Heidi Mcfarlain Stagg, Eunice,
 LA
 Burgess N Veillon and Loretta B Veillon Revocable
 Living Trust, Eunice, LA
 Cobb Realty Inc., Eunice, LA
 D John & Deanna Brown Lafleur, Eunice, LA
 Daniel Hans Koch, Eunice, LA
 Don E. Leonards, Eunice, LA
 Donald Ray Johnson, Eunice, LA
 Edmund C & Alberta Heinen Frey, Eunice, LA
 Ellen Bazinet Medlin Etal, Eunice, LA
 Elvin Floyd Vidrine, Eunice, LA
 Eric Lawrence and Katherine Bollich, Eunice, LA
 Eric W and Felecia May, Eunice, LA
 Fruge Frey Ranch & Farms LLC, Eunice, LA
 Gary Frey, Eunice, LA
 Gene J. Leonards, Eunice, LA
 Gerald Ortaire & Claudia S Derouen Larson, Eunice,
 LA
 Harry Louis & Kaye Langley Miller Jr, Eunice, LA
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 Wimberley, Eunice, LA
 Jennifer Jane Gillette Brown, Eunice, LA
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 Johnson Family Farm LLC, Eunice, LA

Joseph Lee Granger, Eunice, LA
 Judson Ardoin, Eunice, LA
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 Keith Mcclelland, Eunice, LA
 Luther Ray Young, Eunice, LA
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 Mildred B Lally Living Trust, Eunice, LA
 Monty Lou Putnam Stoute, Eunice, LA
 Nadine Lejeune, Eunice, LA
 Neil Lejeune, Eunice, LA
 Patti Carol Caswell, Eunice, LA
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 LA
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 Robert Dean Arnaud, Eunice, LA
 Robert J Soileau Farms Inc, Eunice, LA
 Russell A Stockwell, Eunice, LA
 Ruth Ellen Dupre Duplechin, Eunice, LA
 Samuel Medlin, Eunice, LA
 Stephen A Guillory, Eunice, LA
 Stephen Cody Fontenot, Eunice, LA
 Thomas H Mcclelland, Eunice, LA
 Tony J Lejeune, Eunice, LA
 Valley Jr Vidrine, Eunice, LA
 Wesley Harvey, Evans, LA
 Betty M. Whiteheard Irrevocable Trust, Forest Hill,
 LA
 Stephen Andrew Ellender, Geismar, LA
 Walter Jr Stagg, Glemora, LA
 Bobby Lewis Potter, Glenmora, LA
 Michael George & Sheila Renee Davis, Glenmora,
 LA
 Neil Charles Treme, Glenmora, LA
 Benjamin Carl Welch Sr, Grand Chenier, LA
 Carlos Monroe Welch, Grand Chenier, LA
 J C Reina, Grand Chenier, LA
 Leslie Griffith, Grand Chenier, LA
 Leslie Russell Welch, Grand Chenier, LA
 Lonnie Glenn & Carolyn Harper, Grand Chenier, LA
 Malcolm Lyle Crain Estate, Grand Chenier, LA
 Calvin Elton Trahan, Hackberry, LA
 David Victor Currie, Hackberry, LA
 Janet Ann Desormeau Williams, Hackberry, LA
 Velma Lowery, Hackberry, LA
 Charles Joubert, Houston, LA
 Jason Lee Young, Iota, LA
 Larry R. & Juanita M. Wittge, Iota, LA
 Randal Lane Johnson, Iowa, LA
 Mona Johnson Fontenot, Jarreau, LA
 Charles Rene Houssier III, Jennings, LA

Debra D. Edwards, Jennings, LA
 John Allen Miller, Jennings, LA
 Krielow Farms Inc, Jennings, LA
 Linda Stafford Lejeune, Jennings, LA
 Mary A. Martinez, Jennings, LA
 Michelle Macaluso Gunnell, Jennings, LA
 Michelle P. Guidry, Jennings, LA
 Olivana H. Hebert, Jennings, LA
 Paula Guidry, Jennings, LA
 Rouge O LLC, Jennings, LA
 Theresa L. Demmel, Jennings, LA
 Marie Edna Gaspard, Kaplan, LA
 Ashley Medlin, Keithville, LA
 Alichia A Bushnell, Kinder, LA
 Alllen Joseph Morehead, Kinder, LA
 Alvin Pousson, Jr., Kinder, LA
 Andre Richard, Kinder, LA
 Annie Lee Actlis, Kinder, LA
 Anthony Keith Richard, Kinder, LA
 Ben Richard, Kinder, LA
 Bertha Botley Flanagan, Kinder, LA
 Bobby Ray Cottongin, Kinder, LA
 Caleb Butts, Kinder, LA
 Charles Richard, Kinder, LA
 Charles Timothy Kingrey, Kinder, LA
 Christopher Clark, Kinder, LA
 Damian & Evelia Bryant Miles, Kinder, LA
 Damian Miles, Kinder, LA
 Daniel Kerr Morehead, Kinder, LA
 Danny Bell, Kinder, LA
 Durell Eaglin, Kinder, LA
 Earlene B. Corbin, Kinder, LA
 Elroy Renthrope, Kinder, LA
 Emma Miles Harris, Kinder, LA
 Estate of August Botley, Kinder, LA
 Evain Guillory, Kinder, LA
 Evelia Bryant Miles, Kinder, LA
 Gene Michael Karam, Kinder, LA
 Gerald Richard, Kinder, LA
 Green Oak Cemetary Association, Inc., Kinder, LA
 Harmon's Plumbing, Inc., Kinder, LA
 Irene A Henry, Kinder, LA
 James Tillis, Et ux, Kinder, LA
 John Troy Rawlings, Kinder, LA
 Joseph Wilton Eaglin, Jr., Kinder, LA
 Joyce Monday, Kinder, LA
 Kari Ware, Kinder, LA
 Kay Sonnier, Kinder, LA
 Kurt James Morehead, Kinder, LA
 Laine Fontenot, Kinder, LA
 Lee Ester Prudhomme, Kinder, LA
 Leonard Eaglin, Kinder, LA
 Lionel Richard, Kinder, LA
 Lonniel Clark, Kinder, LA
 Lori Ann Morehead, Kinder, LA
 Margie Fontenot Woodcock, Kinder, LA
 Mark Leibson, Kinder, LA
 Mary Earline E. Leonard, Kinder, LA
 Matt Fontenot, Kinder, LA
 Melissa R. Long, Kinder, LA
 Michael Delatoisse, Kinder, LA
 Michael Richard, Kinder, LA
 Michael W. Gidlow, Kinder, LA
 Peggy Brown Perkins, Kinder, LA
 Percy Morehead, Kinder, LA
 Peter J Unkel, Kinder Carol Co - Unkel Farms,
 Kinder, LA
 Phillip M. Morrow, Kinder, LA
 Randy Charles & Velma L. Pousson, Kinder, LA
 Raphael Durosseau, Kinder, LA
 Reginald Richard, Kinder, LA
 Rhonda Botley Holman, Kinder, LA
 Rodney & Lorraine Morehead, Kinder, LA
 Rodney Richard, Kinder, LA
 Rose Williams Hamilton, Kinder, LA
 Roy Ellis & Cindy Faye Miles, Kinder, LA
 Shirley Botley, Kinder, LA
 Tami R. Johnson, Kinder, LA
 The Ethel Sacker 2008 Trust, Kinder, LA
 Tracy Miles Pruet, Kinder, LA
 Venise Eaglin, Kinder, LA
 W. S. Kingrey, Inc., Kinder, LA
 Warren Hurrion, Kinder, LA
 Wayne Bell, Kinder, LA
 John Lenhart, LaBlanc, LA
 Bill Vidrine, Lafayette, LA
 Bobby Glenn Young, Lafayette, LA
 Gereline Benoit Phillips, Lafayette, LA
 James Patrick Herrington, Lafayette, LA
 James Pourteau, Lafayette, LA
 JP-8, LLC, Lafayette, LA
 Ken Sillavan Allied Development, Inc., Lafayette,
 LA
 Louisiana Pacific Land & Water Conservancy,
 Lafayette, LA
 Louisiana Pacific Land & Water Conservancy,
 Lafayette, LA
 Mamou Seed Rice Co Inc, Lafayette, LA
 Orbit Energy Inc., Lafayette, LA
 Paula Sue Gillette, Lafayette, LA
 Rawlin Jay Johnson, Lafayette, LA
 Sabine Outback North LLC, Lafayette, LA
 Steve Dupuis, Lafayette, LA
 Willis Ray Vidrine, Lafayette, LA
 Christopher A Guidry, Lake Arthur, LA
 Michelle G Broussard Mouton, Lake Arthur, LA
 3n75 Trust, Lake Charles, LA
 Abear-Nunez Farms, LLC, Et al, Lake Charles, LA
 Ann Crowe Lindsay, Lake Charles, LA
 Anthony Lynn Lowery, Lake Charles, LA
 Arthur Coney Estate, Lake Charles, LA
 Barbara Fowler Thomas, Lake Charles, LA

Barbara L Houssiere, Lake Charles, LA
 Barbara Leslie Lowe, Lake Charles, LA
 Barbara Louise Houssier, Lake Charles, LA
 Bel Khourly Black Bayou Properties, LLC, Lake Charles, LA
 Belarbor Timber, LLC, Lake Charles, LA
 Belinda Faye Chretien, Lake Charles, LA
 Bel-Krause Properties, Inc., Lake Charles, LA
 Betty Jean Morehead Eaglin, Lake Charles, LA
 Betty Jean Verret Credeur, Lake Charles, LA
 Billy Joe Cole, Lake Charles, LA
 Blake A. Guidry, Lake Charles, LA
 Blake Brothers LLC, Lake Charles, LA
 Blake Brothers, LLC, Lake Charles, LA
 Burning River Energy Inc Et al, Lake Charles, LA
 Calcasieu Parish Police Jury, Lake Charles, LA
 Calcasieu Parish School Board, Lake Charles, LA
 Caltrax. Inc, Lake Charles, LA
 Canal State of LA, Lake Charles, LA
 Carmouche Family Properties, LLC, Lake Charles, LA
 Carolyn J. Gifford, Lake Charles, LA
 Cary Ross Mckee, Lake Charles, LA
 Charlene Estelle Johnson Douget, Lake Charles, LA
 Charles Terry Hebert , Lake Charles, LA
 Charlotte K. Skinner, Lake Charles, LA
 CKX Lands Inc, Lake Charles, LA
 Clark Real Estate Enterprises, Lake Charles, LA
 Constance Elaine Cormier, Lake Charles, LA
 Coral Lee Crain Byrd, Lake Charles, LA
 Crowe Property Investments LLC, Lake Charles, LA
 Curry Corporation, Lake Charles, LA
 Dale H Beam, Lake Charles, LA
 Daniel Richard, Lake Charles, LA
 David W Beam, Lake Charles, LA
 Deborah Cormier Fisher Special Needs Trust, Lake Charles, LA
 Don Allen Steen, Lake Charles, LA
 Donal Joseph Ledoux, Sr, Lake Charles, LA
 Donna Jean Eaglin Carroll, Lake Charles, LA
 Donna Lynn Ellender Lowery, Lake Charles, LA
 Donnie Monceaux, Lake Charles, LA
 Edward Follett Bass, Lake Charles, LA
 Edward M. Nichols, Jr, Lake Charles, LA
 Edward McCain, Lake Charles, LA
 Edwin Robinson, Lake Charles, LA
 Elizabeth Ann Fuselier Thomas, Lake Charles, LA
 Eloise Fusillier Et al, Lake Charles, LA
 Estate Of J. G. Gray, Lake Charles, LA
 F. Miller & Sons, LLC, Lake Charles, LA
 Fooz LLC, Lake Charles, LA
 Frances Jane Nelson, Lake Charles, LA
 Frances L Perry, Lake Charles, LA
 Fredrick James Nunez Granger, Lake Charles, LA
 GCPC, LLC, Lake Charles, LA
 Globe-Texas Co, Lake Charles, LA
 Goldsmith Farms, LLC, Lake Charles, LA
 Gordon E Steen, Jr, Lake Charles, LA
 Great Western Investment Co., Inc., Lake Charles, LA
 H.C. Drew Estate, Lake Charles, LA
 Harold Guidry, Jr., Lake Charles, LA
 Hebert Abstract Co Inc, Lake Charles, LA
 Henning Management LLC, Lake Charles, LA
 Hillsboro Corporation, Lake Charles, LA
 J Lawton Company LLC, Lake Charles, LA
 J. Lawton Company, LLC, Lake Charles, LA
 J.S. Broussard Farms LLC, Lake Charles, LA
 James C Beam Et al, Lake Charles, LA
 James Francis Carnahan, Lake Charles, LA
 James Mark Treme, Lake Charles, LA
 James Scott Vincent, Lake Charles, LA
 James Steven Broussard, Lake Charles, LA
 Janet Mahaffey Postell, Lake Charles, LA
 Janet S Leboeuf, Lake Charles, LA
 Jardine Properties, Inc., Lake Charles, LA
 Jeanette Mathis, Lake Charles, LA
 Jerry Dale Hand Lefort, Lake Charles, LA
 Jesse Ryan Habetz, Lake Charles, LA
 John Craig Moss, Lake Charles, LA
 John Kenneth Patin Trust and Peter Durand Patin Trust, Lake Charles, LA
 John Paul Crain Qtip #1 Trust for Neil Randall Crain, Lake Charles, LA
 Jon E. Hebert, Lake Charles, LA
 Judith Marie Wood, Lake Charles, LA
 Justin & Caitlan Clark, Lake Charles, LA
 JWG, LLC, Lake Charles, LA
 Katherine Krause Blake Trust, Lake Charles, LA
 Kelly Guildry Robinson, Lake Charles, LA
 Kenneth Gerald, Et ux Merchant, Lake Charles, LA
 Kenny Constance, Lake Charles, LA
 Kerry Traham, Lake Charles, LA
 Kim Broussard, Lake Charles, LA
 King Minerals LLC, Lake Charles, LA
 KLPC, LLC, Lake Charles, LA
 L & H Partnership, Lake Charles, LA
 Lee Ellender, Lake Charles, LA
 Lewing Properties, Inc., Lake Charles, LA
 Linda Faye Joubert, Lake Charles, LA
 LMD Investments Limited Partnership, Lake Charles, LA
 LMD Investments Limited Partnership, Et al, Lake Charles, LA
 Ltp Partnership, LP, Lake Charles, LA
 Lucille Crosby, Lake Charles, LA
 Marie Jeanette Rogers Benoit, Lake Charles, LA
 Marshalls Of Orchard, Inc, Lake Charles, LA
 Martha A Babcock Et al, Lake Charles, LA
 Martha L. Gillman, Etal, Lake Charles, LA
 Mary Gennell S. Christian, Lake Charles, LA
 Mary Geraldine Lowery Cirello, Lake Charles, LA

Mary Hollins Trust, Lake Charles, LA
 Matt Scott Cormier, Lake Charles, LA
 Mayboy Inc, Lake Charles, LA
 Mcclelland Farm Properties LLC, Lake Charles, LA
 Melanie Hebert Ireland, Lake Charles, LA
 Melissa Ann Moss Cardone Et al, Lake Charles, LA
 Michael Joubert, Lake Charles, LA
 Mount W Talbot Family Trust, Lake Charles, LA
 N & T Rentals, LLC, Lake Charles, LA
 Patricia Baggett, Lake Charles, LA
 Patti Jean Ellender Phillips, Lake Charles, LA
 PBA Properties, LLC, Lake Charles, LA
 Pruitt Company LLC, Lake Charles, LA
 PWK Timberland, LLC, Lake Charles, LA
 Raleigh Newman Et ux, Lake Charles, LA
 Rebecca Lynn Treme Williamson, Lake Charles, LA
 Reggie Nyle Leslie, Lake Charles, LA
 Rhonda Cormier Hall, Lake Charles, LA
 Richard Sere Kleinschmidt, Jr, Lake Charles, LA
 Rickie Dalton Lyons, Lake Charles, LA
 Robby Robinson, Lake Charles, LA
 Robert Ellis Moss Jr, Lake Charles, LA
 Robert Gene And Debra Ann Lockett, Lake Charles,
 LA
 Robert L. & Sherri Jeanine Streitmatter, Lake
 Charles, LA
 Roger L. & Yvonne Miller, Lake Charles, LA
 Ronnie Winfrey, Lake Charles, LA
 Sara Nicole Doucet, Lake Charles, LA
 Scott Edwin Sandoz, Lake Charles, LA
 Scotty G. Rozas, Lake Charles, LA
 Secundus Corporation, Lake Charles, LA
 Sharon Marie Eaglin James, Lake Charles, LA
 Stephen Lowery, Lake Charles, LA
 Stream Family Limited Partnership, Lake Charles,
 LA
 Stream Family Trust, LLC, Lake Charles, LA
 Strickland Louisiana Properties, LLC, Lake Charles,
 LA
 Sue N Mccardle, Lake Charles, LA
 Tamara Hebert Bourque, Lake Charles, LA
 Terry D. Fowler, Lake Charles, LA
 Tiffany Barber, Lake Charles, LA
 Tower Land Company LLC, Lake Charles, LA
 TTD Holdings, LLC, Lake Charles, LA
 Vicki Diane Ellender Campbell, Lake Charles, LA
 Virginia H Webb Kelly M, Lake Charles, LA
 Virginia Hollins Webb, Lake Charles, LA
 Virginia M Gayle Et al, Lake Charles, LA
 W. J. Gayle and Sons, Inc., Lake Charles, LA
 Wadean Lee, Lake Charles, LA
 Wadine Winfrey Lee, Lake Charles, LA
 Whitney Joubert, Jr, Lake Charles, LA
 William B. Lawton Family Limited Partnership, Lake
 Charles, LA
 William Johnston, Lake Charles, LA

William Mitchell Perkins, Lake Charles, LA
 Wise Land & Title Co Inc, Lake Charles, LA
 Wkt Properties, Lake Charles, LA
 Woodbrook, Inc., Lake Charles, LA
 YMO, LLC, Lake Charles, LA
 Moss/Vincent Properties LLC, Lake Charles La, LA
 Chad J. & Danielle R. Wright, Leblanc, LA
 Dwan Susan M. Leblanc, Leblanc, LA
 Glenn John Cormier, Leblanc, LA
 James W. Potter, Leblanc, LA
 John Paul & Kimerly Ann Lenhart, Leblanc, LA
 Lana Potter Davis, Leblanc, LA
 Richard B. Howell, Leblanc, LA
 Shea Murette Ledoux, Leblanc, LA
 Troy Brannon, Jr., Leblanc, LA
 William E. Lenhart, III, Leblanc, LA
 William Lee Marquez, Leblanc, LA
 Adam Kogel, Livingston, LA
 Freeman Joseph Ledoux Estate, Et al, Longville, LA
 Dr B J & Lester Manuel, Mamou, LA
 Gerald Fontenot, Mamou, LA
 Susan O'connor, Mandeville, LA
 Donald Perkins & Katherine Little, Many, LA
 Rosalyn J. Whitman, Merryville, LA
 Keith Stafford, Metairie, LA
 Mary Elaine Koonce, Metairie, LA
 Polly Ann Hamilton Tedrow, Metairie, LA
 Rodney Douglas Vincent Et al, Metairie, LA
 Glynn E. Putnam, Monroe, LA
 Shirley Ann Joubert Harmon, Monroe, LA
 Ira A. Breaux, Morgan City, LA
 Pernell Livingston, New Iberia, LA
 Entergy Texas, Inc., New Orleans, LA
 Nita Glenn Putnam, New Orleans, LA
 Phoenix Development Company, Inc., New Orleans,
 LA
 Jullin Renthrope, New Orleans, LA
 Mona G. Sepulvado, Noble, LA
 Dixon Family Timber, LLC, Oakdale, LA
 Ellis Quave, Oakdale, LA
 John & Betty Healy, Oakdale, LA
 Allen Parish School Board, Oberlin, LA
 Allen Parish School Board, Oberlin, LA
 Bernadette Guillory, Oberlin, LA
 Felicia Carthon Sandifer, Oberlin, LA
 Jim Prudhomme, Oberlin, LA
 Lillian C McMahon, Oberlin, LA
 Schumacher Briscoe Farm, LLC, Oberlin, LA
 Shawn Carthorn, Oberlin, LA
 Virginia B. Wells, Oberlin, LA
 Willard Renthrope, Oberlin, LA
 Aubretta J. Eaglin, Opelousas, LA
 Cynthia Charlie, Opelousas, LA
 Frank Morris & Janice Pitre, Opelousas, LA
 Haas Hirsch, Opelousas, LA
 Hhw-Evangeline LLC, Opelousas, LA

Opelousas St. Landry Realty, Opelousas, LA
Clayton Earl Marcantel, Pineville, LA
Cleco Power, LLC, Pineville, LA
Darlene Reeves Horton, Pitkin, LA
Janice Cormier Cole, Pitkin, LA
Allison Ann Windham , Port Allen, LA
Moss Lake Holdings, LLC, Port Allen, LA
Brenda Mistrot, Port Barre, LA
Choupique & Sulphur LLC, Prairieville, LA
Gordon H. & Susan Randall Gill, Prairieville, LA
John Anthony Lowery Jr, Prairieville, LA
Mary Hamilton, Prairieville, LA
Susan Randall Gill, Prairieville, LA
Billie Stillings Mc Michael, Ragley, LA
Brian Alan & Kara Guillory, Ragley, LA
Brown Family Farms, LLC, Ragley, LA
Clifford L. Hantz, Ragley, LA
Danny Ray & Lovie Carol Dickerson, Ragley, LA
David R. And Mary Ann Daigle, Ragley, LA
Deanna Darbonne Habetz, Ragley, LA
Dorothy Johnson, Ragley, LA
Edward James Guidry Trust, Ragley, LA
Emily Claire Habetz, Ragley, LA
Frankie Leslie Brown, Ragley, LA
Giles Glen Brown, Ragley, LA
Jackie Lynn Benoit, Ragley, LA
Jimmie Ann Meaux Mc Lean, Ragley, LA
John Brent Meaux, Ragley, LA
Joshua William Habetz, Ragley, LA
Michael Means, Ragley, LA
Michael W. Guidry, Ragley, LA
Michael Wayne & Raenell Savell, Ragley, LA
Natalie Jane Habetz, Ragley, LA
Paul Verbis & Alece Jeline Lafleur, Ragley, LA
Preston L. Dartez, Sr., Ragley, LA
Sam Lawrence & Susan Cavys, Ragley, LA
Shera Fowler, Ragley, LA
St. Gabriel Resources LLC, Ragley, LA
Tommy D. Brown, Ragley, LA
Chad Edward Miller, Rayne, LA
Earl Breaux, Rayne, LA
Homer Breaux, Rayne, LA
Houston Breaux, Rayne, LA
Ludovic Miller Estate, Rayne, LA
Mable Gilbert, Rayne, LA
Marion J Miller, Rayne, LA
Melvin Breaux, Rayne, LA
Moise Breaux, Rayne, LA
Rosa Mae Waters, Rayne, LA
Ryan Keith Miller, Rayne, LA
Billie J. Lyles, Reeves, LA
Camp Pearl Ministries, Reeves, LA
Creel Memorial Gardens Association, Inc., Reeves,
LA
Horace Joel Airhart, Reeves, LA
James D. & Billie J. Lyles, Reeves, LA

James David Lyles, Reeves, LA
Jerry Glen & Beverly Thomason, Reeves, LA
Patsy Lyles Cavenah, Reeves, LA
Vernice L. Lyles, Reeves, LA
Eve N Garbarino Jr Et al, Roanoke, LA
Julie Berry Et al, Roanoke, LA
Carolyn O'bryan Sutton, Ruston, LA
Sandra White, Scott, LA
August Botley III, Senton, LA
Hancock Timberland Xi, Inc., Shreveport, LA
John Hancock Life Ins. Co. (USA), Shreveport, LA
Joyce Elaine Lowery Wofford, Shreveport, LA
Kathy Fair Patterson, Shreveport, LA
Nore Vincent Winter, Shreveport, LA
Warner Glenn Duhon, Shreveport, LA
William Taylor Lyles, Sieper, LA
William Conville Hobgood, St. Francisville, LA
Adam (Nmi) Daigle Et ux, Sulphur, LA
Adam Wayne & Angela Habetz, Sulphur, LA
Alford Clooney Savoie, Sulphur, LA
Alison Wilson, Sulphur, LA
Allen James Leblanc Sr, Sulphur, LA
Amanda Rhodes Jones Et vir, Sulphur, LA
Andre Davidson, Sulphur, LA
Anthony Todd Matthews, Sulphur, LA
Arthur J Planchard, Sulphur, LA
Barry Edgar Russell, Sulphur, LA
Beverly Comeaux, Sulphur, LA
Beverly Jane Moss Scholtens, Sulphur, LA
Bill Craig Neugent, Sulphur, LA
Boyd Dale Smith, Sulphur, LA
Brant Allan Parish Et ux, Sulphur, LA
Brenda Faye Cuvillier Trahan, Et al, Sulphur, LA
Brenda Sue Sumpter Et vir, Sulphur, LA
Brendia Colligan, Sulphur, LA
Bryan Douglas O'connor, Sulphur, LA
C.E. Benckenstein Living Trust, Sulphur, LA
Carl Henry Vincent, Sulphur, LA
Carol Ruth Brannon Stetz, Sulphur, LA
Chad Carlin Koonce Et ux, Sulphur, LA
Chad Lee Constance, Sulphur, LA
Charles David Benckenstein, Sulphur, LA
Charles Howell Atherton Et ux, Sulphur, LA
Charles Kent Carlin Et ux, Sulphur, LA
Charles Martin Koonce, Sulphur, LA
Charlie Atherton, Sulphur, LA
Christopher Alvin Ervin Et ux, Sulphur, LA
Christopher Arnold Chaisson, Sulphur, LA
Christopher Isaac Comeaux, Sulphur, LA
Clements Lejeune Jr Et ux, Sulphur, LA
Clopha Darbonne Jr Estate Et al, Sulphur, LA
Cody W. Oliver Et ux, Sulphur, LA
Cody Wayne Goodner Et ux, Sulphur, LA
Corey James Doucet Et ux, Sulphur, LA
Corey Lalonde, Sulphur, LA
CTJ Investments LLC, Sulphur, LA

Curtis Paul Cart Et ux, Sulphur, LA
 D & G Construction, LLC, Sulphur, LA
 David William Sittig, Et ux, Sulphur, LA
 Dean Lee Manning Et ux, Sulphur, LA
 Debora Ann Constance Dixon, Sulphur, LA
 Denise Julia Church , Sulphur, LA
 Dennis Clyde Carruth Et ux, Sulphur, LA
 Dept. Of Public Works, Sulphur, LA
 Domingo Gonzales Ledesma Et ux, Sulphur, LA
 Donald and Sarah Cowick Living Trust, Sulphur, LA
 Donald James Beeler, Sulphur, LA
 Donald Joseph Elkins Et ux, Sulphur, LA
 Donald Lee Lapoint Et ux, Sulphur, LA
 Edmond Trahan Et ux, Sulphur, LA
 Edward Buryl Baty, Sulphur, LA
 Edward, Dan Chapman, Sulphur, LA
 Elder Marie Richard Lyons, Sulphur, LA
 Eli Benjamin and Leslie Denise Beaty, Sulphur, LA
 Elizabeth Vincent, Sulphur, LA
 Erica Janeen Duhon, Sulphur, LA
 Ernest A Houssier Jr Et al, Sulphur, LA
 Ernest E., Et ux Parker, Sulphur, LA
 Etha Belle Courmier, Sulphur, LA
 Fingerlake Estates Corporation Inc, Sulphur, LA
 Floyd Williams, Jr., Et ux Stains, Sulphur, LA
 Garry L Glass Et ux, Sulphur, LA
 Gary Wayne, Et ux Babineaux, Sulphur, LA
 Georgia A Constance Et al, Sulphur, LA
 Gerald Clinton Burnett, Sulphur, LA
 Gerald Dwayne Gilbert Et ux, Sulphur, LA
 Geraldine Marie Verret Kyle, Sulphur, LA
 Gilbert Leon Royer, Sulphur, LA
 Glenn Scott Seaford Et ux, Sulphur, LA
 Gloria Opel D. Thomas, Sulphur, LA
 Gordon Allen Farnum, Sulphur, LA
 Grace Marie Wilson, Sulphur, LA
 Henry Charles Semple, Sulphur, LA
 Horace Curtis Vincent III Et ux, Sulphur, LA
 J E Trust, Sulphur, LA
 Jacqueline Hope Matthews, Sulphur, LA
 Jaime and Diana Pena, Sulphur, LA
 James Larry Lafleur Et ux, Sulphur, LA
 James T. Quinn, Sulphur, LA
 James W. C. Willson, Sulphur, LA
 James Wallace Ellender Jr., Sulphur, LA
 Janet Lea Richard, Et vir Langley, Sulphur, LA
 Jason Brian Fuqua Et ux, Sulphur, LA
 Jason Edward Nicholas, Sulphur, LA
 Jay Ellender, Sulphur, LA
 Jayde Allen Berwick, Sulphur, LA
 Jem Testamentary Trust, Sulphur, LA
 Jenifer Lynette Dugas Anderson, Sulphur, LA
 Jeremy Paul, Et ux Caldwell, Sulphur, LA
 Jerry Wayne Winters Et ux, Sulphur, LA
 Jessica Pearson Logan Et al, Sulphur, LA
 Jessica Pearson Logan, Et al, Sulphur, LA
 Joanne Jordon Fontenot, Sulphur, LA
 Jody Lynn Vincent Et al, Sulphur, LA
 Joel Edward Langford Et ux, Sulphur, LA
 John Alton Currie, Sulphur, LA
 John Carl Thomson, Sulphur, LA
 John Ernest Bergstedt, Sulphur, LA
 John Rudy Trahan, Sulphur, LA
 Jose (Nmi) Hilerio, Sulphur, LA
 Josh Paul Church Et ux, Sulphur, LA
 Judith Clifton Bennett, Sulphur, LA
 Judy Ann Hulett, Sulphur, LA
 Julius A Ogea, Et al, Sulphur, LA
 Karen & Lonnie Nickles, Sulphur, LA
 Karen Ellender Nichles, Sulphur, LA
 Keith Michael Lafauci Et ux, Sulphur, LA
 Keith Wayne Parker, Sulphur, LA
 Kelly Marie Fuqua Et vir, Sulphur, LA
 Ken Racca, Sulphur, LA
 Kenneth Charles Walker Et ux, Sulphur, LA
 Kenneth Lawrence Ellender, Sulphur, LA
 Kenneth Paul Lyons Et al, Sulphur, LA
 Kenneth Paul, Et ux Lyons, Sulphur, LA
 Kevin James Comeaux, Sulphur, LA
 Kleat LLC, Sulphur, LA
 Krause & Managan Lumber Company, Sulphur, LA
 L. L. Lacy, Sulphur, LA
 Larry Carrier Dirt Work LLC, Sulphur, LA
 Larry James Carrier, Sulphur, LA
 Lena McArthur, Executive Director, West Calcasieu
 Chamber of Commerce, Sulphur, LA
 Leon Lawrence Currie II, Sulphur, LA
 Leon Lawrence Currie II, Sulphur, LA
 Leslie L. Barker, Sulphur, LA
 Linda Louise West, Sulphur, LA
 Linda Pickett, Sulphur, LA
 Lionel Joseph Mestayer Jr, Sulphur, LA
 Louis Calvin Ashworth Jr Et ux, Sulphur, LA
 Lucas Kelly Maddox Et ux, Sulphur, LA
 Luke Gerard Leblanc, Sulphur, LA
 Margaret Lamont Williams, Sulphur, LA
 Marie Louise Antoinette Doiron Estate, Sulphur, LA
 Mark Wayne and Sharon Reed, Sulphur, LA
 Martha Ann Clifton, Sulphur, LA
 Marvin Jean Lyons Et al, Sulphur, LA
 Mary Granger, Sulphur, LA
 Mary Noelie Semple Lott, Sulphur, LA
 Matthew Linton Vincent Et al, Sulphur, LA
 Micha Faye Sonnier Lowry, Sulphur, LA
 Nathan Thomas Burnett, Sulphur, LA
 Nelson Family Irrevocable Trust, Sulphur, LA
 Norman Dale Champagne Et ux, Sulphur, LA
 North Sulphur Building Association Inc, Sulphur, LA
 Palermo Land Company, Inc, Sulphur, LA
 Palvest, Inc., Sulphur, LA
 Patsy R. Little Trahan, Sulphur, LA
 Paul Alan, Et ux Brown, Sulphur, LA

Phillip Ray, Et ux Allen, Sulphur, LA
 Preston J Stelly Jr Et ux, Sulphur, LA
 Rahn Lanier Drost Et ux, Sulphur, LA
 Randal Joseph Trahan, Sulphur, LA
 Randy Ethan Babaz Et ux, Sulphur, LA
 Richard Wayne and Dinah Fontenot, Sulphur, LA
 Richard Wayne Frauenberger, Et ux, Sulphur, LA
 Robert Charles Babcock Et al, Sulphur, LA
 Robert Charles Babcock Et ux, Sulphur, LA
 Robert E. Etux Broussard, Sulphur, LA
 Robert Joeph Constance, Sulphur, LA
 Robert Lee, Jr. Trahan, Sulphur, LA
 Rodney Lee Williams, Sulphur, LA
 Ronald Eugene Lawrence Et vir, Sulphur, LA
 Ronald R. & Anissa Ann Reed, Sulphur, LA
 Ruby Mae S Constance Et al, Sulphur, LA
 Ryan Nicholas Cormier, Sulphur, LA
 Sheila Jo Constance Miller, Sulphur, LA
 Sherrell Lynn Welton Labove, Sulphur, LA
 Southern Home Rentals Inc, Sulphur, LA
 Stacy Lynn Helms Et ux, Sulphur, LA
 Stephanie Miles Ughovwa, Sulphur, LA
 Stuart Alan, Et ux Moss, Sulphur, LA
 Sulphur Group LLC, Sulphur, LA
 Tab Perkins, Sulphur, LA
 Terri Lea McMurray, Sulphur, LA
 Thaddeus Brian Hoffpauir, Sulphur, LA
 Todd Ercell Perkins, Sulphur, LA
 Todd Patrick Broussard, Sulphur, LA
 Vicki Frankland Nezat, Et al, Sulphur, LA
 Vicky Winters, Sulphur, LA
 Vito Tramonte, Sulphur, LA
 West Family Irrevocable Trust, Sulphur, LA
 William G., III Carnahan, Sulphur, LA
 William Michael Price Et ux, Sulphur, LA
 William Neal Leger Et ux, Sulphur, LA
 Norman R Nicko, Sunset, LA
 Pamela Post Boudreaux, Thibodaux, LA
 Cehpus Mitchell Duhon Estate, Ventress, LA
 Cehpus Richard Duhon, Ventress, LA
 Dewey Duhon, Ventress, LA
 Hattie Duhon Smith, Ventress, LA
 Arthur L Courville, Ville Platte, LA
 Duane Richard Smith, Ville Platte, LA
 Freda Denise Mcdaniel, Ville Platte, LA
 Leonard G & Mary Alice A Fontenot, Ville Platte,
 LA
 Wilbur Carter, Ville Platte, LA
 William Thelma Lavergne Family, LLC, Ville Platte,
 LA
 Dena Janell Johnson, Watson, LA
 Pamela Mae E. Johnson, Et al, Watson, LA
 Wanda Gayle Johnson, Watson, LA
 Athony Lynn Hantz, Westlake, LA
 Baggett Enterprises, LLC, Westlake, LA
 George R. Scalia, Westlake, LA
 Jeffrey Martin, Westlake, LA
 Mayo Realty Co Inc, Westlake, LA
 Northfork Enterprises, LLC, Westlake, LA
 Patricia Ann Braeux, Westlake, LA
 Annise Faye Mcduff, Youngsville, LA
 Kevin Lee Fuselier and Michelle Renee Fuselier
 Boutin, Youngsville, LA
 Children's Hospital Medical Center , Boston , MA
 EIP Calcasieu, LLC, Baltimore, MD
 Katherine Birnic, Baltimore, MD
 Fitzhugh Elder, III, Curchton, MD
 Howard Shirla McFaddin, Dexter, MO
 Sheila Botley Burgess, Florissant, MO
 Howard Shirla McFaddin c/o Michael R. Perry ,
 Poplar Bluff , MO
 Charles Donald Hembree, Carriere, MS
 David Richard, Clinton, MS
 Kristin Monique Farr Broussard, Hattiesburg, MS
 Cerisa Lynn Epps, Jackson, MS
 Frietta Nashae Epps, Jackson, MS
 Heibertg. Epps, Jackson, MS
 MWF IV Acadia, LLC, Jackson, MS
 Rochelle Epps, Jackson, MS
 Valerie C. Epps, Jackson, MS
 Zabrina Faye Epps, Jackson, MS
 Chemical Waste Management, Inc., Madison, MS
 Alan Humphrey, Project Engineer, Sempra U.S. Gas
 & Power, Mount Olive, MS
 Ernest Keaton Young, Oxford, MS
 Mitchell, Jr. Young, Oxford, MS
 Wendell Wilson, Summit, MS
 WPH McFaddin, IV , Dexter , MT
 Frank Robert Clifton, Chapel Hill, NC
 Boston Timber Opportunities, LLC, Charlotte, NC
 Pamela Ann Eaglin Hebert, Fort Bragg, NC
 Barbara Miller, Garner, NC
 The Ellen P. Nealy Living Trust, Greensboro, NC
 The Ellen P. Nealy Living Trust of 1992,
 Greensboro, NC
 The Ellen P. Nealy Living Trust of 2004,
 Greensboro, NC
 Megan Weir, Kannapolis, NC
 Smith Family Trust, Raleigh, NC
 Mary Lou Sortino, Omaha, NE
 Mary Jane Nelson Donofrio, Brick, NJ
 BASF Corporation, Florham Park, NJ
 James Lamar Nelson, Kenilworth, NJ
 Craig Wolfgang, Project Manager, Tetra Tech, Inc.,
 Morris Plains , NJ
 Daniel P. O'Bryan & Leo Francis O'Bryan, Jr. ,
 Albuquerque, NM
 Turrentine Franklin, Las Cruces, NM
 Pamela Lebrun, Rio Rancho, NM
 Thomas Allen Barr, Santa Fe, NM
 Leslie Jane Hinton, Sante Fe, NM
 Dann M Thomasson Et al, Silver City, NM

R. Russell McMahon Estate, Silver City, NM
 Mildred C Addison, Las Vegas, NV
 Myrtis Ann Tanner, Las Vegas, NV
 C.B. Claypool c/o Patricia Evans , Pahrump , NV
 Dorothy S. Brooke, Brooklyn, NY
 Marion Brooke Worth, Locust Valley, NY
 Richard Evert Karlsson, Staten Island, NY
 R. Russell McMahon Estate, Barberton, OH
 Willowdeene L Butchee, Barberton, OH
 Floyd Lowery, Carlisle, OH
 Madelyn Darbonne, Toledo, OH
 Ivolee Nash Estate, Bethany, OK
 Ruth Maund, Et al, Broken Arrow, OK
 Leboeuf Land & Investments LLC, Idabel, OK
 Rebecca Griffith Kendall, Tulsa, OK
 Renee H Tuthill Trusts, Tulsa, OK
 Richard D Griffith Sr Estate, Tulsa, OK
 Richard Griffith Jr, Tulsa, OK
 Transcontinental Gas Pipeline Corp, Tulsa, OK
 Crown Pine Timber 4 LP, Portland, OR
 Crown Atlantic Co., McMurray, PA
 Patty Riley, Senior Consulting Scientist, AK
 Environmental, LLC, Mechanicsburg, PA
 Amy Mccoubrey , Philadelphia , PA
 John David Karlsson, Hope Valley, RI
 Marion Lane West , Cordova, TN
 Charles R. Johnson, Jackson, TN
 Mitchel Ross Lagrone, Oakland, TN
 Uel Scott Clanton, Alvarado, TX
 Gladys City Companies, Amarillo, TX
 Hubert Breaux, Anahuac, TX
 Julie Garbarino Buisson Et al, Arlington, TX
 Paula Lee Harris Paus, Audrey, TX
 3n75 Trust, Austin, TX
 C.J. Hebert, Austin, TX
 David L. Broadus , Austin , TX
 Joan Donaldson Watkins, Austin, TX
 Kelly M Hollins Et al, Austin, TX
 Lucas Investments, LLC , Austin , TX
 Philip B. Lucas, Jr. , Austin , TX
 Rebecca Hensley, Regional Director, Ecosystem
 Resources Program, Texas Parks & Wildlife Dept,
 Coastal Fisheries Division, Austin, TX
 Ben C. Hebert Heirs, Beaumont, TX
 Black Schroeder, Beaumont, TX
 Bonnie Faul, Beaumont, TX
 Caldwell Company Trust, Beaumont, TX
 Corwil, LLC, Beaumont, TX
 Dorothy Mae Joubert, Beaumont, TX
 Dubea Investments Wildhorse, LP, Beaumont, TX
 E.G. Cordts, Jr., Beaumont, TX
 Ed Crawford, Beaumont, TX
 Edwin Arnaud, Inc., Beaumont, TX
 Entergy Gulf States Texas, Beaumont, TX
 Gan McFaddin, Beaumont, TX
 Golden Eagle Financial Group, Inc., Beaumont, TX
 Hebert Family, Beaumont, TX
 J.E. Broussard, Jr. , Beaumont , TX
 James H. Sterling, Beaumont, TX
 Jerry Crawford, Beaumont, TX
 Kimberly Ann Chica, Beaumont, TX
 Kristen Lynn Patterson , Beaumont , TX
 L.M. Hebert, III Life Estate, Beaumont, TX
 Lee R Botley, Beaumont, TX
 Linda Leslie Veuleman, Beaumont, TX
 Louis M Hebert, Beaumont, TX
 Margaret Alma Benckenstein, Beaumont, TX
 Marie Summerlin Hester, Beaumont, TX
 Mark Hawthorne, Beaumont, TX
 Martin R. and Stephen Hebert, Beaumont, TX
 Mary Jock Hebert, Beaumont, TX
 Matthew Hebert, Beaumont, TX
 Nancy Cowart, Beaumont, TX
 Natgasoline LLC, Beaumont, TX
 Nelson-Umphrey Real Estate, LLC, Beaumont, TX
 Ora Lee Cassimere, Beaumont, TX
 Ransom W. Jones, Jr., Beaumont, TX
 Rhinoceros Ventures Group, Inc., Beaumont, TX
 Rhonda Kay Richter, Beaumont, TX
 Rocklon, LLC , Beaumont , TX
 Andree H Macaluso, Bedford, TX
 Robert F Houssier, Bedford, TX
 Albin J & Michelle Judice, Bridge City, TX
 Larry J & Louellen Judice, Bridge City, TX
 Marie Louise Antoinette Doiron Estate, Bridge City,
 TX
 Paul M & Debbie Roy, Bridge City, TX
 Shirlie Ann Johnson, Brookshire, TX
 Wiley Eaves Wieson c/o Fred W. Wieson,
 Brownsboro, TX
 Ernestine Vincent Estate, Burkeville, TX
 Lucas William Terrell , Call , TX
 Ewing Louisiana Properties LLC, Casper, TX
 Witchita Partnership Ltd, Chappel Hill, TX
 Randy L. Gardner, Chester, TX
 Blair Madylon , College Station , TX
 Daniel Joseph Goodman, Jr, Conroe, TX
 Jackie Lynn Benoit, Conroe, TX
 Johns S Brown Louisiana Trust, Cuervo, TX
 Propylene Pipeline Partnership, LP, Cypress, TX
 Abraham Davis , Dallas , TX
 Julie L. Warner, Dallas, TX
 Julie L. Warner Clancy, Dallas , TX
 Sigrid Rothchild, Dallas, TX
 Steven Craig Fowler, Dallas, TX
 Thomas J. Howell , Dallas , TX
 W.L. and M.A. Cain Family Limited Partnership,
 Dallas, TX
 Thomas Milton Bergstedt, Deer Park, TX
 Tim Tindell, Crown Pine Timber 4 LP, Diboll, TX
 Betty Mercer, Edna, TX

South Texas Land Limited Partnership , El Campo, TX
 L. H. Kinard Sr., El Paso, TX
 The Linda Trahan Revocable Trust, Euless, TX
 Carla Gail Leslie Wall, Forney, TX
 Michele G. Smith, Brite Divinity School, Fort Worth, TX
 Rinae Fowler Morrow, Fort Worth, TX
 Ronald Terrell, Fort Worth, TX
 Lucy Eaves, Fred, TX
 Bartlett Doe Moore Jr, Galveston, TX
 Kathy Thomas, Galveston, TX
 Judie Patterson & The Butch & Linda Smith Family Trust, Georgetown, TX
 Melissa Ann Macaluso, Georgetown, TX
 The Allar Company, Graham, TX
 Shirley Spruiell, Grand Prairie, TX
 Captain Charles Lahaye, President, Sabine Pilots, Groves, TX
 Ellen Warner, Captain, Sabine Pilots, Groves, TX
 Nonie Devillier, Groves, TX
 Monte Krebs Crawford, Hampshire, TX
 Amoco Production Co, Houston, TX
 Anthony Albert Macaluso Jr, Houston, TX
 Arthur Hollins III, Houston, TX
 B.P. American Production Co., Houston, TX
 Ben W. Curry c/o Susan Curry Swift, Houston, TX
 Burlington Resources Oil & Gas Co LP, Houston, TX
 Byng Hall Corporation, Houston, TX
 Charles R Houssiere III, Houston, TX
 Citgo Petroleum Corporation, Houston, TX
 CM Mid-County Properties, LLC, Houston, TX
 Dawn I Herrington, Houston, TX
 Don & Gayle Nalor; Sandra Bancroft, Houston, TX
 Donald Jock Hinrichs, Houston, TX
 Douglas Pedigo , Houston , TX
 Dustan Thomas Gawthorp, Houston, TX
 Elroy Lovejoy, Houston, TX
 Enterprise Refined Products CO., LLC, Houston, TX
 Erna Nadean Blutworth Trust, Houston, TX
 Ernest Morehead, Houston, TX
 Eve Norman Garbarino Jr, Houston, TX
 FLB/CBB Family Limited Partnership, Et al, Houston, TX
 Gloria Mae Hubbert, Houston, TX
 Gloria Sheffield Hubbard, Houston, TX
 Golden Pass LNG Terminal, LP , Houston , TX
 Golden Triangle Properties, Houston, TX
 H D Cox Estate, Houston, TX
 H.B. Joiner LLC, Houston, TX
 Harold Moore, Houston, TX
 Hilton Winfrey & Nancy Winfrey Williams, Houston, TX
 J.L.C. McFaddin, Houston, TX
 James Thaddeus McClellan, Houston, TX
 Janet Jeanes, Houston, TX
 Jennifer Dunn Blanc , Houston , TX
 Jim Thompson, Manager-Permitting and Compliance, Sempra LNG, Houston, TX
 Kenneth E. Dubose, Houston, TX
 Kenneth Michael Karam, Houston, TX
 Kinder Morgan Texas Pipeline, Houston, TX
 Landon Lyles, Houston, TX
 Larry J & Louellen McClellan, Houston, TX
 Lesa A. Lagrone, Houston, TX
 Linda Parry M George, Houston, TX
 Maybell Baker Chandler, Houston, TX
 MBLH Properties Ltd, Houston, TX
 McFaddin & Weiss, Houston, TX
 Michael Albert Macaluso, Houston, TX
 Michael W. Robbins, Senior Project Manager, TRC Solutions, Houston, TX
 Mobil Pipe Line Company, Houston, TX
 Molly Bennett Brown, Houston, TX
 Molly Jane P Fink, Houston, TX
 Nancy W. Williams, Houston, TX
 Oiltanking Beaumont Partnership, Houston, TX
 Rickie Abbs, Houston, TX
 Robert Jackson, Houston, TX
 Robert Winfrey, Houston, TX
 Sabine Pass Liquefaction, LLC, Houston, TX
 Samuel A McClellan, Houston, TX
 Tawana Gail Robinson, Houston, TX
 Teneda Middleton, Houston, TX
 Texas Eastern Transmission, Houston, TX
 Texas Eastern Transmission Corporation, Houston, TX
 The EEL & PDL LLC, Houston, TX
 Vivian Ledet, Houston, TX
 William L Welch Et al, Houston, TX
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 Jasper County Real Estate, LLC, Jasper, TX
 McGraw Minerals, LTD, Jasper, TX
 Pamela Gale Johnson, Katy, TX
 Roy H Donaldson Jr, Kerrville, TX
 Ruben S. Martin III, Martin Operating Partnership, Kilgore, TX
 Yolanda Botley McCall, Killeen, TX
 Roy R. and Alma W. Peterson , Kyle , TX
 Jose Villarreal, Lafkin, TX
 Carolyn Leveque, Lago Vista, TX
 J C Tracy Estate, Lake Jackson, TX
 The Herman E. and/or Era M. Mcfatter Revocable Living Trust, Lake Jackson, TX
 Mary Elizabeth G. Farley, Lampass, TX
 Edgar Brown Land Company LLC, League City, TX
 Louie E. Robinson, III, and Travis Mark Robinson, League City, TX
 W.T. Robinson, Liberty, TX
 Craig Williams, Livingston, TX
 Delores A Williams, Livingston, TX

Nathan Smith, Livingston, TX
 Norman Williams, Livingston, TX
 Peggy Williams, Livingston, TX
 Peggy Williams, Livingston, TX
 Rebecca Alec, Livingston, TX
 Rebecca W. Alec, Livingston, TX
 Rodney Williams, Livingston, TX
 Sandra W. Walker, Livingston, TX
 Shana Smith, Livingston, TX
 Verlis Williams, Livingston, TX
 Becky McKinley, Lufkin, TX
 Kimberly Anne Benckenstein Webster, Lufkin, TX
 Larry D. Williams, Lufkin, TX
 Wynema Kay Robinson, Lufkin, TX
 Corbin Willianson, Magnolia, TX
 Joseph L. Hantz, Magnolia, TX
 Paula Louise Hebert, Magnolia, TX
 Charlene Williams Wall, Mauriceville, TX
 John Dudley and Lorri and Patti Baker, Mauriceville,
 TX
 Mega Chips, Inc., Mauriceville, TX
 Robert White, Jr., Medina, TX
 Robin Fowler Taylor, Mesquite, TX
 Michael Ballare, Missouri City, TX
 Karen Lucas Trust , Montgomery , TX
 Richard E. Wallace, Montgomery, TX
 Dorothy F Arrington Hassell, Navasota, TX
 Barry Barnette, Nederland, TX
 C. Doornbos A&B, LP, Nederland, TX
 Gary W. Collins, Nederland, TX
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 Wilmer Young, Nederland, TX
 Billy Walter & Era Jane Odom, Orange, TX
 Brenda J. Lawson, Orange, TX
 Clint Jones, Orange, TX
 Davis C. Dixon, Orange, TX
 Dorothy Henry, Orange, TX
 Dudley Scott Rollins, Orange, TX
 Earma Garn, Orange, TX
 Ivan Valle Divila, Orange, TX
 J H Spector & Sons, Orange, TX
 J.A. Foster, Orange, TX
 James A. Stelly & Billie Rae Stelly Revocable Living
 Trust, Orange, TX
 James Madison Waldrep, Orange, TX
 Jeremy A. & Tabitha G. Tynes, Orange, TX
 Jerry J. & Donna J. Harris, Orange, TX
 Jimmie Simmons, Orange, TX
 Joe Bob Sorter, Orange, TX
 Joshua Samms, Orange, TX
 Kudu Limited II, Inc., Orange, TX
 Leir Rollins (Attn: Betty Rollins), Orange, TX
 Morgan D. Michael, Orange, TX
 Phillip & Terri Kennedy, Orange, TX
 Susan Steed, Orange, TX
 Ty & Catherine Michelle Johnnie, Orange, TX
 W E Mccorquodale Sr, Orange, TX
 Wood P. Meanrd, Orange, TX
 William Edward Winfree, Orangefield, TX
 Sherluff Lee Leslie, Pasadena, TX
 Joe Van Duhon, Pearland, TX
 Virginia Wells Estate, Pearland, TX
 Don Michael Johnston, Pipe Creek, TX
 Carolyn Akers Eastham, Plano, TX
 Donna E. Cormier, Plano, TX
 Margaret Helen Ratliff Reamer, Plano, TX
 Mary Carolyn Eastham, Plano, TX
 Cecil J. Broussard, Port Arthur, TX
 City of Port Arthur, Port Arthur, TX
 Connie S. Broussard , Port Arthur, TX
 Gulf Copper & Manufacturing, Port Arthur, TX
 Hemmenway Family, LP, Port Arthur, TX
 Jack Hemmingway, Port Arthur, TX
 Jefferson Co Drainage Dist 7, Port Arthur, TX
 Narasimha Reddy Chandamuri, Port Arthur, TX
 Richard Lavallee, Port Arthur, TX
 William B Burrell, Port Arthur, TX
 Linda Montgomery, Port Neches, TX
 Myrna Summerlin Connelly, Port Neches, TX
 R.L. Breaux, Jr., Port Neches, TX
 Susan Chevis Arceneaux, Port Neches, TX
 Willard Young, Port Neches, TX
 Sandra Fowler Alexander, Quinlan, TX
 The Flying F LLC, Rockport, TX
 Kenneth Charles Macaluso, Round Rock, TX
 Kristi Heid, Superintendent, Sabine Pass ISD, Sabine
 Pass, TX
 Andrew J. Lewis, Jr. or Linda L. McSween, San
 Antonio , TX
 Cala M. Hunter, San Antonio , TX
 Carol Kyle Tyrrell Real Estate Partnership, San
 Antonio, TX
 Donald White, San Antonio, TX
 Jeanne M. Conner and Mary Lynn Ryder, San
 Antonio , TX
 John Matthews, San Antonio, TX
 Pat W. McNamara, Jr. , San Antonio , TX
 The Pemcor Refining Group, Inc. , San Antonio , TX
 Bettie Sue Cowan c/o Peter S. Sloan, San Saba, TX
 David W & Laura Blacksher, Santa Fe, TX
 Kyle Consolidated Group, LP, Seguin, TX
 OCF Properties, Ltd., Seguin, TX
 Debra Jenean Leslie Castle, Sherman, TX
 Bruce S., Meredith H., Susan E., & Dosite S. II
 Perkins, Spring, TX
 Charles J. Hebert, Spring, TX
 Fann Family Living Trust, Spring, TX
 Houston Baptist University, c/o Dudley Veal
 Property Tax Group, Spring , TX
 John L. Hebert, Spring, TX
 Judy Waldo, Spring, TX
 Leonard Benckenstein, Spring, TX

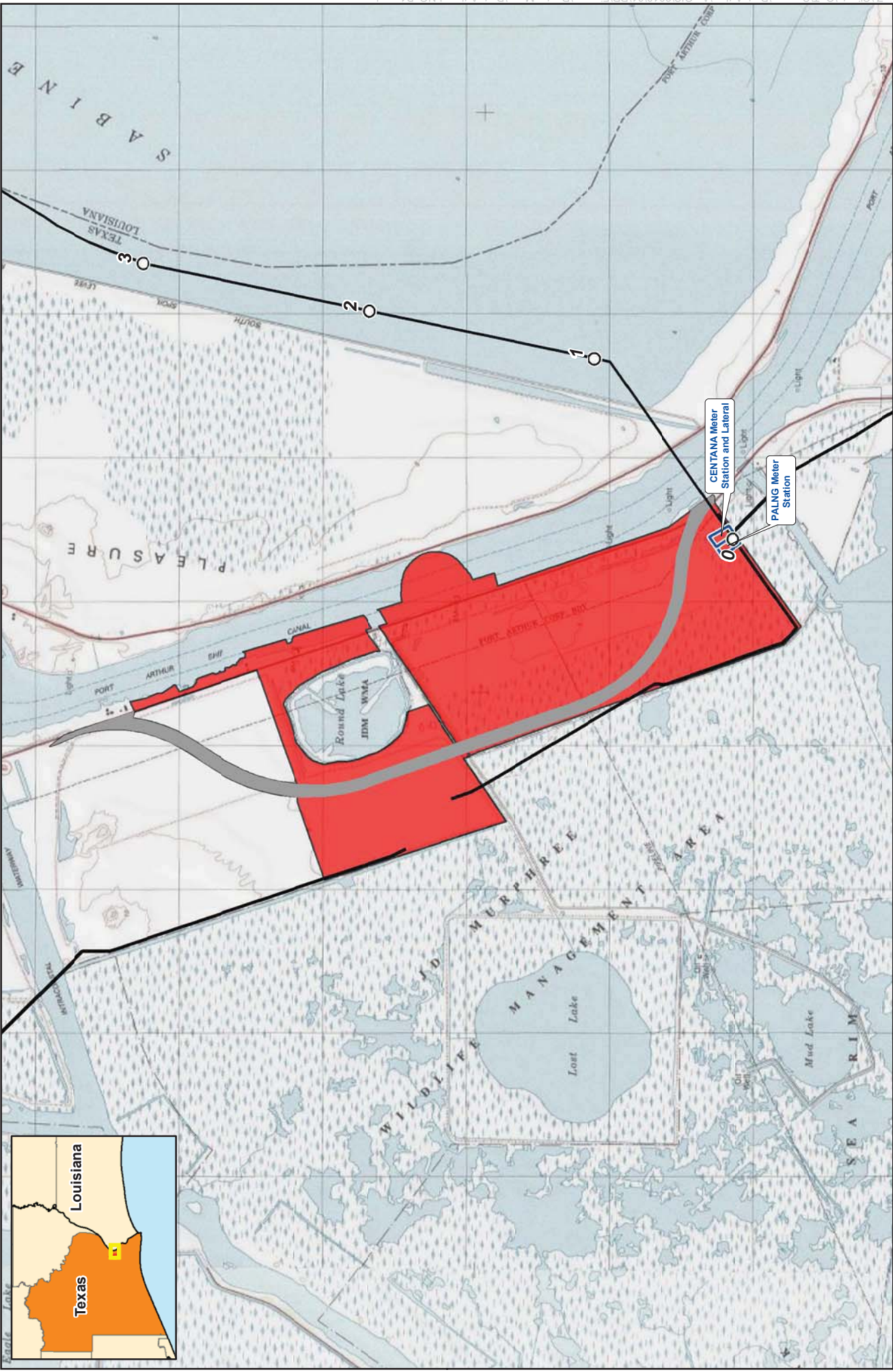
Marjorie W Fann Et al, Spring, TX
Richard Keith Hebert, Spring, TX
Rogers U. Karr, Spring, TX
Stanley P. Benckenstein, II, As Trustee of The
Kimberly Anne Benckenstein Webster Heritage
Trust, Spring, TX
Stanley P. Benckenstein, II, As Trustee of The
Shannon Elaine Benckenstein Baker Heritage
Trust, Spring, TX
Steven Couch Benckenstein, Spring, TX
Vickie A. Anselmi, Spring, TX
CLB Louisiana Properties LLC, Stafford, TX
Calvin Botley, Sugarland, TX
James R Fruge, The Woodlands, TX
The Rupp Family Living Trust, Tomball, TX
Janet Louise Benson, Valley View, TX
A.B. Mansfield, Jr., Vidor, TX
Alice Gipson, Vidor, TX
Betty Manning Gall, Vidor, TX
Elmer L Ellender, Vidor, TX
Emma Jean Ellis Lamar, Vidor, TX
Lorraine M. Brodnax, Vidor, TX

Michael Deramus, Vidor, TX
Powell Anderson, Vidor, TX
Mary Henderson, Village Mills, TX
Clayton Todd Rollins, Winnie, TX
Malcolm Lynn Rollins, Winnie, TX
Dewey Conrad Pearson Jr Et al, Woodlands, TX
Charlinda Inc, Woodville, TX
Hebert Abstract Co LLC, Woodville, TX
Judith Hebert Cagle, Woodville, TX
Perkins Beverly Harrell, Woodville, TX
Elaine Elder King Mccarrick, Staunton, VA
Johnson Family Trust, Woodbridge, VA
Donald Mcelwain , Bristol , VT
Helen Botley Gorden, Moss Lake, WA
Caroline Louise Lucas Trust , Renton , WA
Frederick Allen, Et al Cordsen, Seattle, WA
Clifton Louisiana Properties, LLC, Tacoma, WA
Clifton Louisiana Properties, LLC, Tacoma, WA
Karen Gwen Hill Carnes, Vancouver, WA
Sheila D Cernek, Gratiot, WI
Kay Francis Johnson Heard, Cody, WY

APPENDIX B

PROJECT MAPS

Liquefaction Project

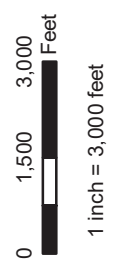


- Milepost
- Proposed Centerline
- Proposed Meter Station
- Proposed Liquefaction Project Site
- SH87 Relocation

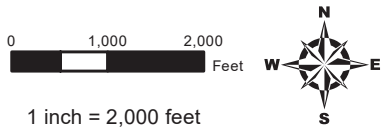
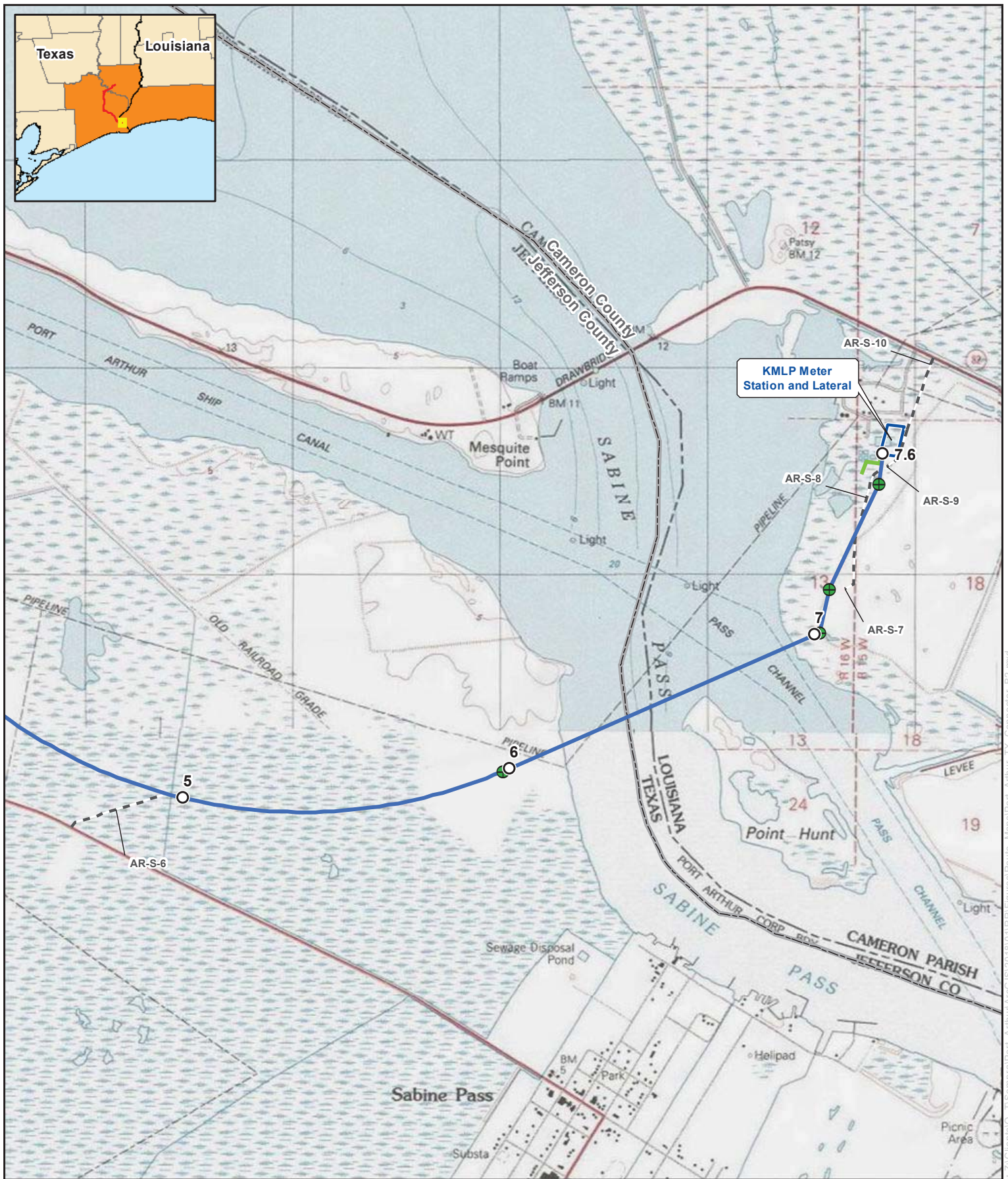
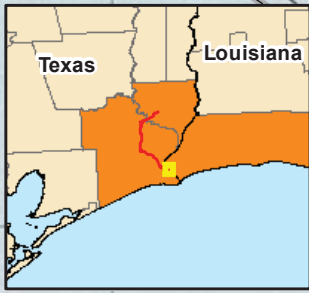
Appendix B-1

Liquefaction Facility Project Route Map

Jefferson County, Texas



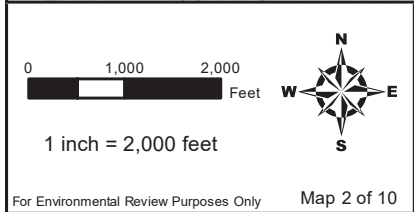
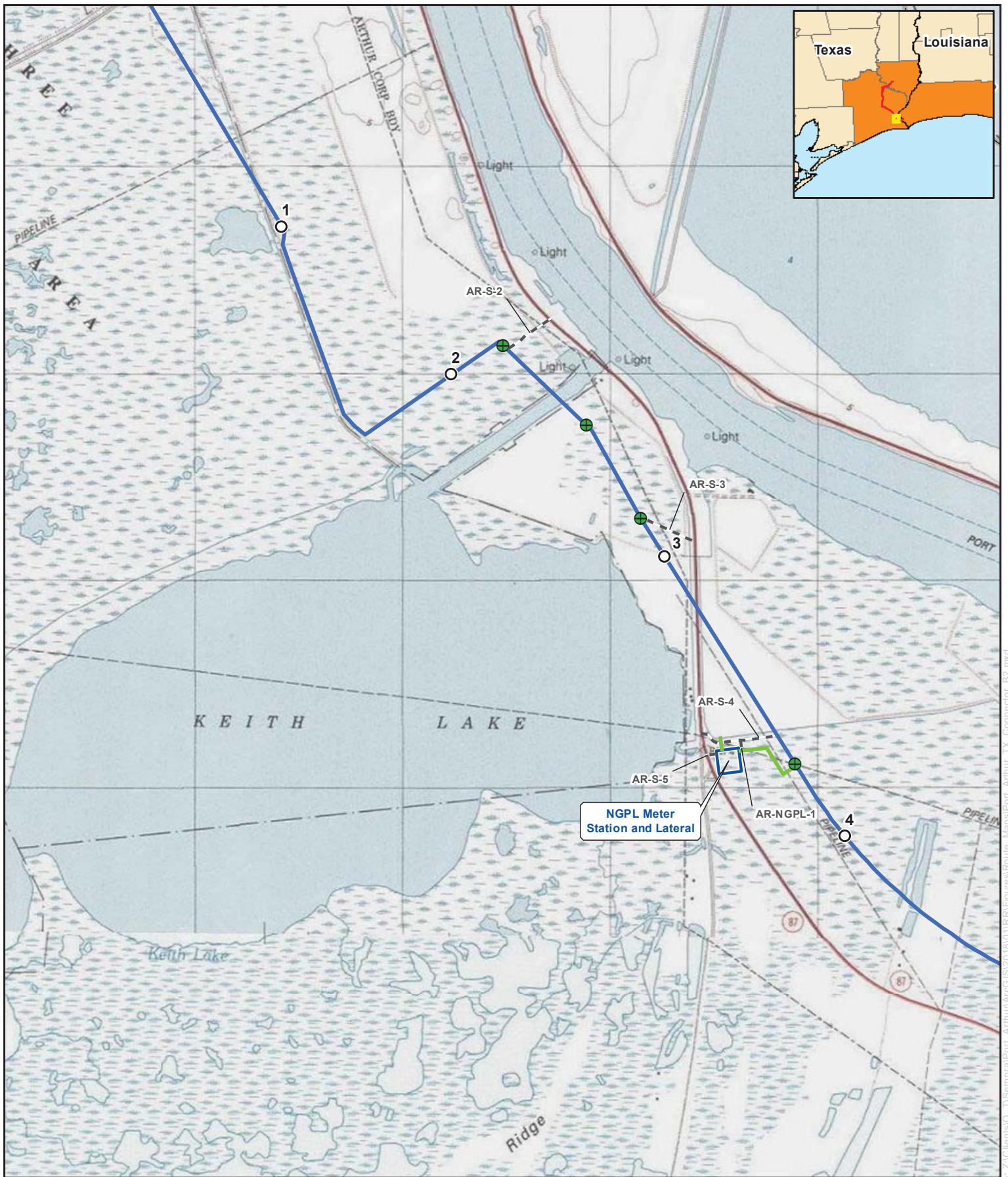
Texas Connector Project



Appendix B-2 Texas Connector Project Route Map Cameron Parish, Louisiana and Jefferson County, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Lateral
- Proposed North Pipeline
- Proposed South Pipeline
- - - Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- ▭ County Boundary

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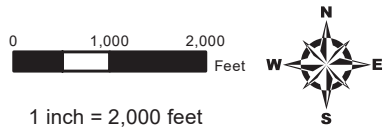
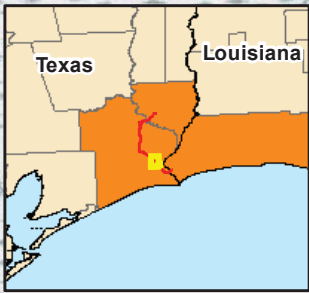
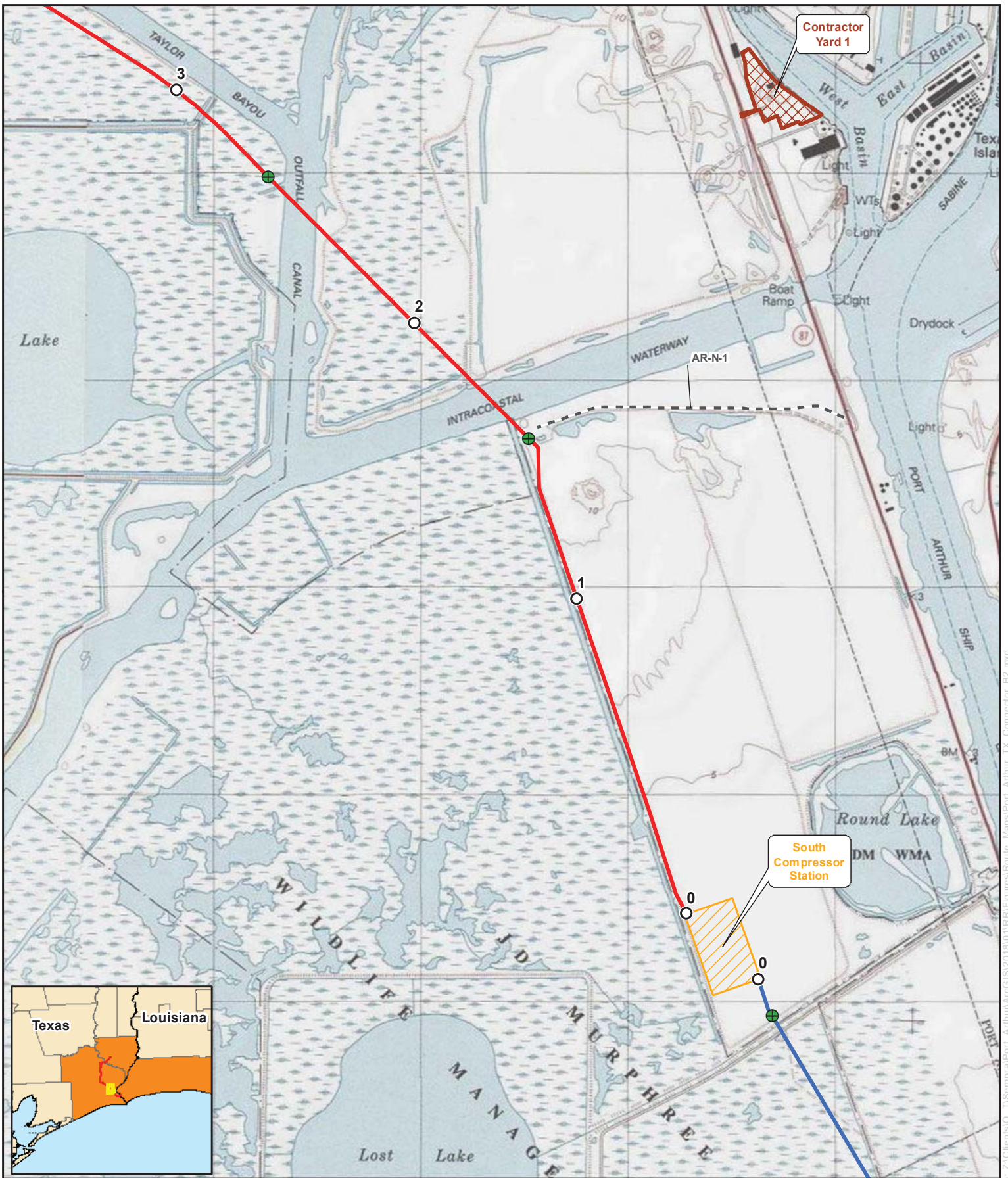
Appendix B-2

Texas Connector Project

Route Map

Jefferson County, Texas

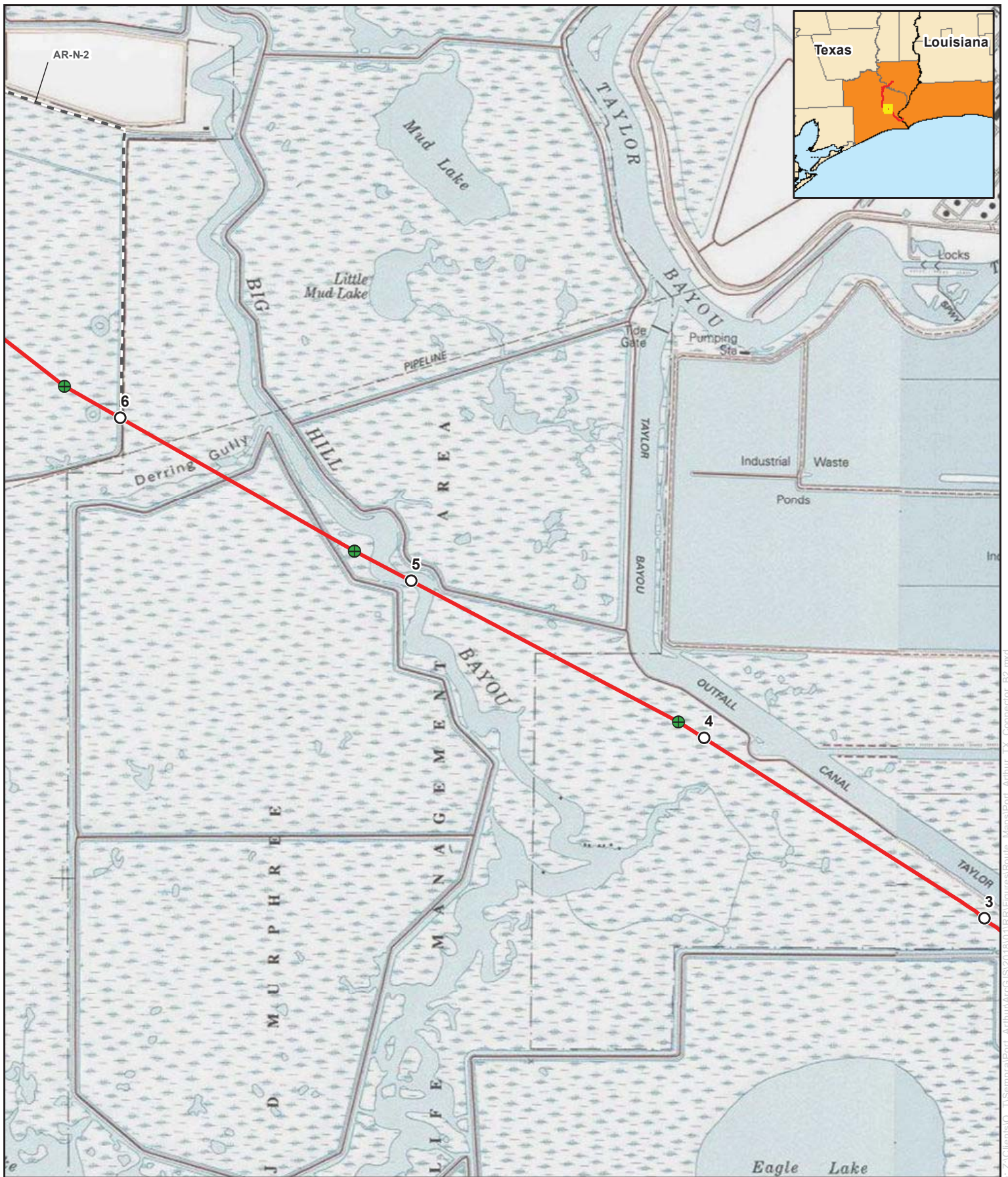
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|---------------------------|-------------------------------|----------------------------|
| ○ Milepost | - - - Proposed Access Road | □ Proposed Valve |
| ● Proposed HDD Entry/Exit | □ Proposed Compressor Station | □ Proposed Contractor Yard |
| — Proposed Lateral | □ Proposed Meter Station | □ County Boundary |
| — Proposed North Pipeline | | |
| — Proposed South Pipeline | | |



Appendix B-2
Texas Connector Project
Route Map
Jefferson County, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Lateral
- Proposed North Pipeline
- Proposed South Pipeline
- - - Proposed Access Road
- Proposed Valve
- ▨ Proposed Compressor Station
- ▩ Proposed Contractor Yard
- Proposed Meter Station
- ▭ County Boundary

Date: (1/15/2016) Source: z:\Clients\Q_T\Sempra\Port_Arthur\ArcGIS\2016\1011\RR\FiguresRoute_Maps\Port_Arthur_IPX_Connector_B2.mxd



0 1,000 2,000 Feet

1 inch = 2,000 feet

For Environmental Review Purposes Only Map 4 of 10

Appendix B-2

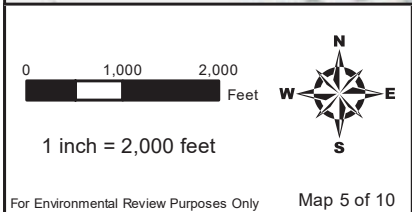
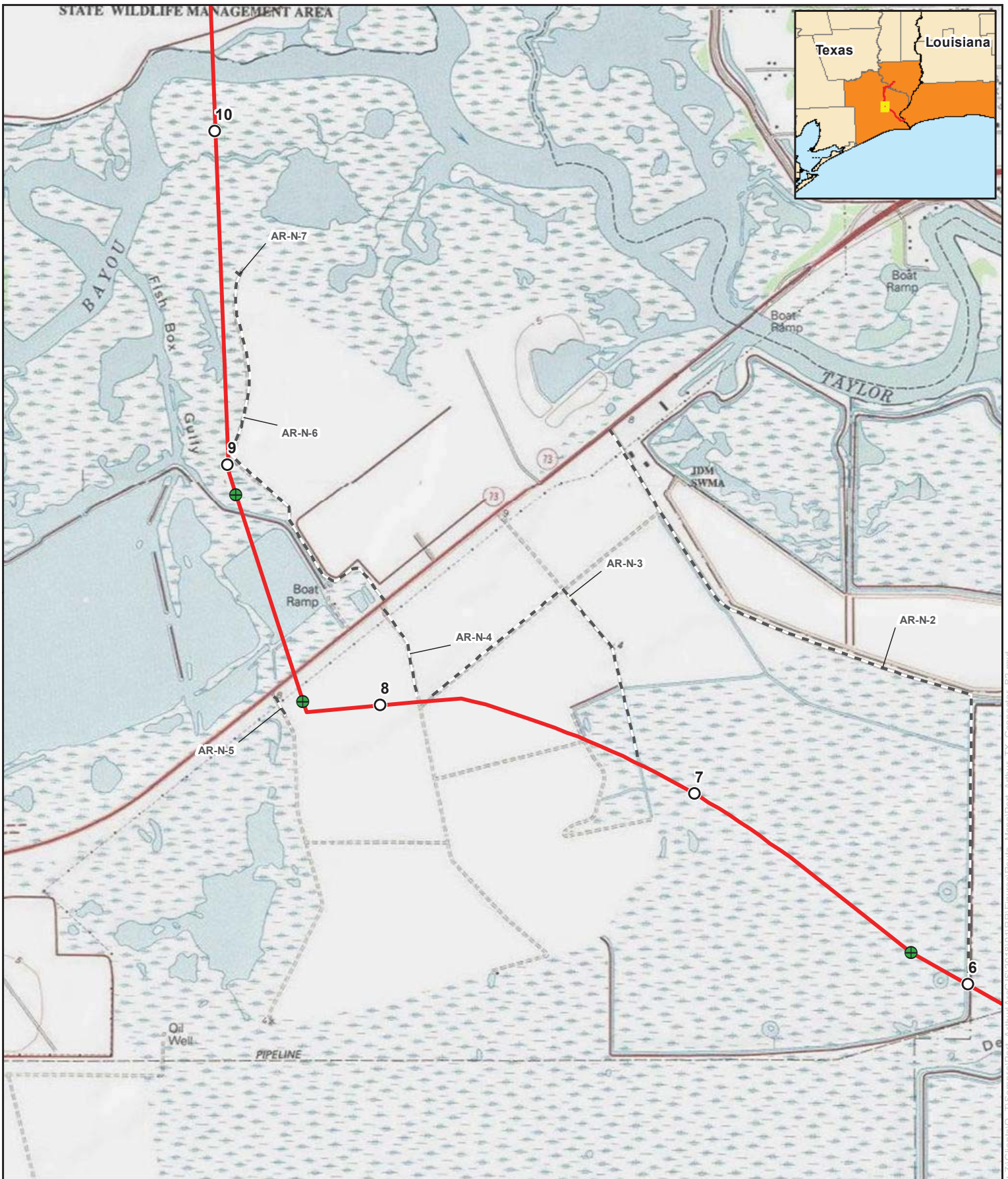
Texas Connector Project

Route Map

Jefferson County, Texas

- | | |
|---------------------------|-------------------------------|
| ○ Milepost | - - - Proposed Access Road |
| ● Proposed HDD Entry/Exit | ■ Proposed Valve |
| — Proposed Lateral | ■ Proposed Compressor Station |
| — Proposed North Pipeline | ■ Proposed Contractor Yard |
| — Proposed South Pipeline | ■ Proposed Meter Station |
| | ■ County Boundary |

Source: Z:\Clients\IQ_T\Sempra\Port_Arthur\ArcGIS\20161011\TK\Figures\Route_Maps\Port_Arthur_TX_Connector_B2.mxd Date: 1/15/2016

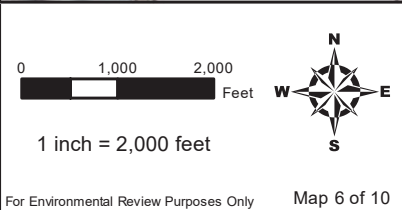
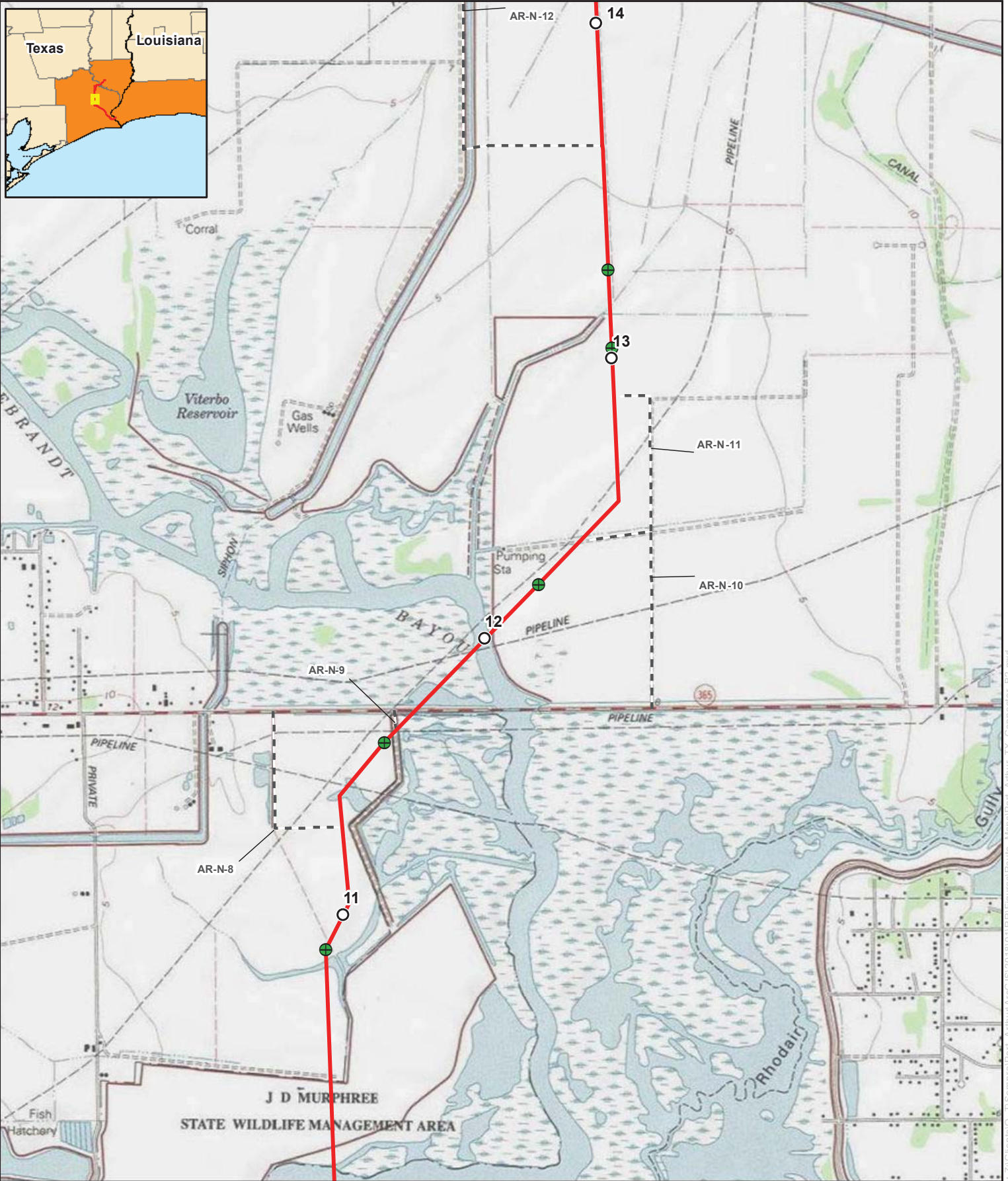


Appendix B-2

Texas Connector Project Route Map Jefferson County, Texas

- | | |
|---------------------------|-------------------------------|
| ○ Milepost | - - - Proposed Access Road |
| ● Proposed HDD Entry/Exit | ■ Proposed Valve |
| — Proposed Lateral | ■ Proposed Compressor Station |
| — Proposed North Pipeline | ■ Proposed Contractor Yard |
| — Proposed South Pipeline | ■ Proposed Meter Station |
| | ▭ County Boundary |

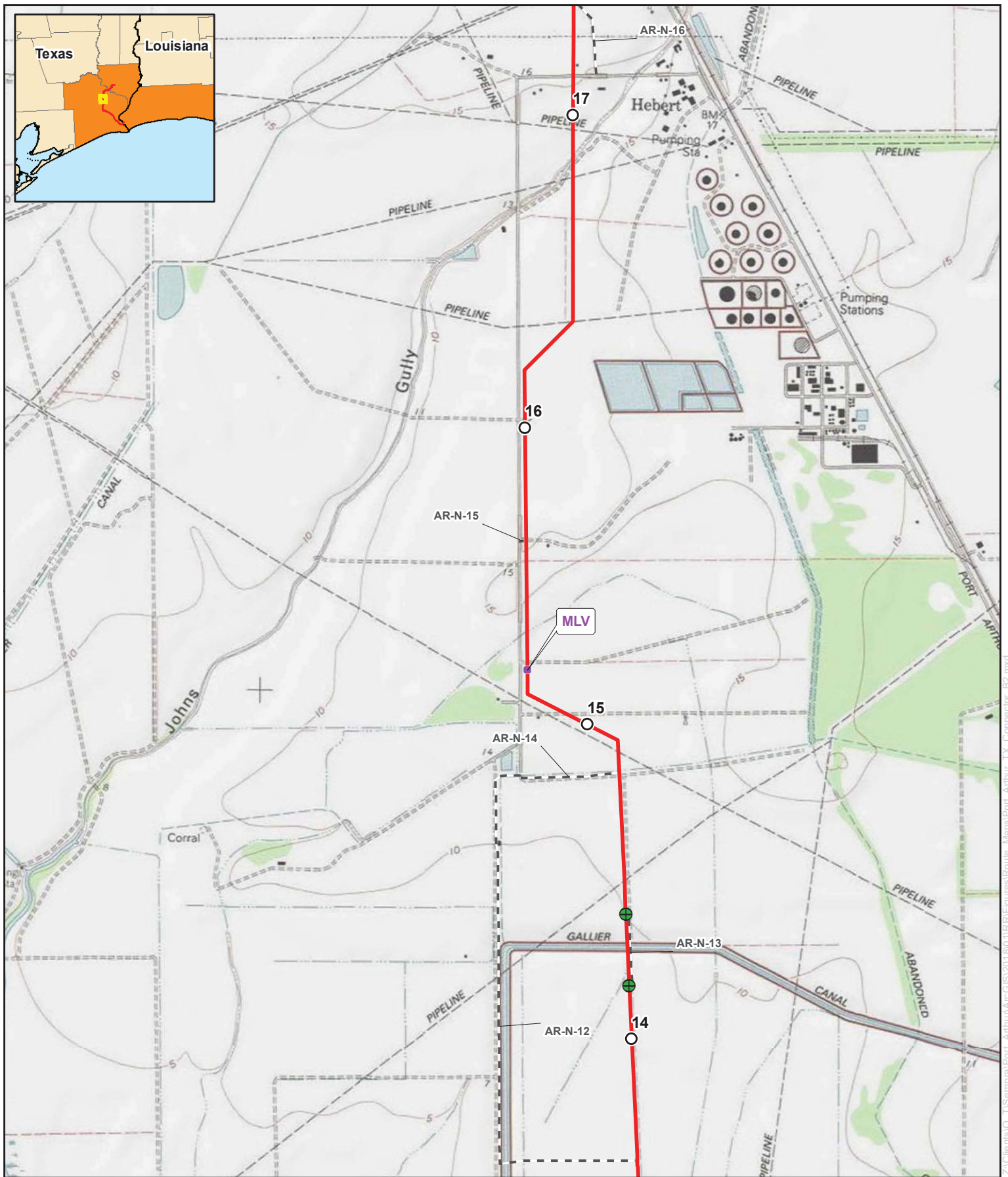
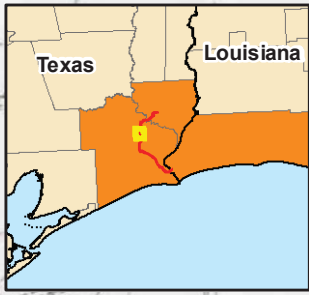
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Appendix B-2

Texas Connector Project Route Map Jefferson County, Texas

- | | |
|-------------------------|-----------------------------|
| Milepost | Proposed Access Road |
| Proposed HDD Entry/Exit | Proposed Valve |
| Proposed Lateral | Proposed Compressor Station |
| Proposed North Pipeline | Proposed Contractor Yard |
| Proposed South Pipeline | Proposed Meter Station |
| | County Boundary |

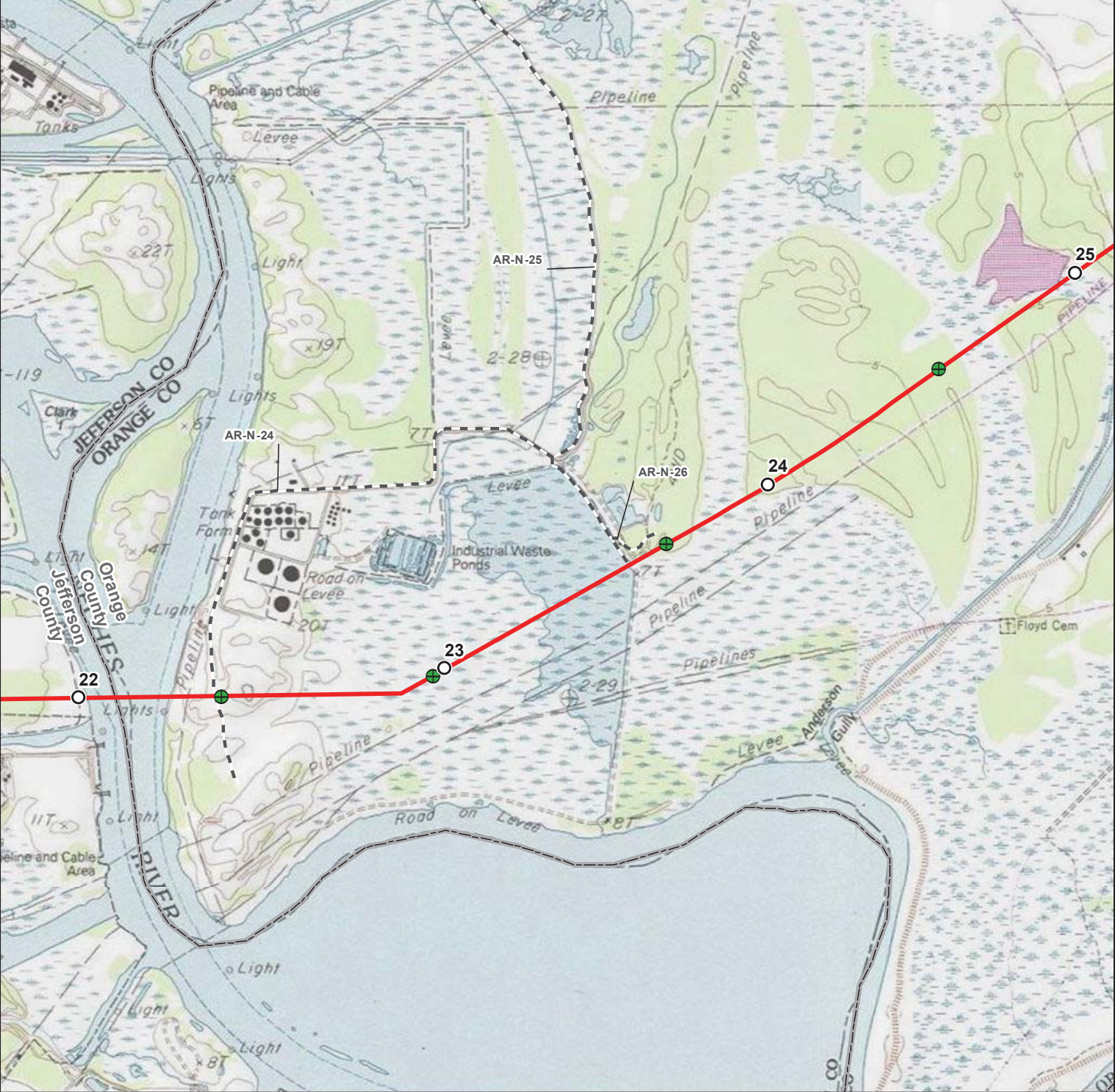
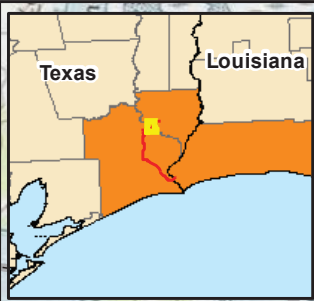


1 inch = 2,000 feet



Appendix B-2 Texas Connector Project Route Map Jefferson County, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Lateral
- Proposed North Pipeline
- Proposed South Pipeline
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



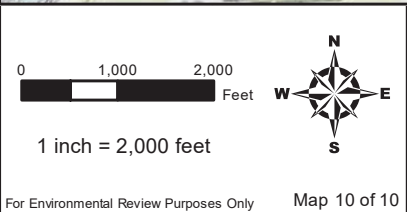
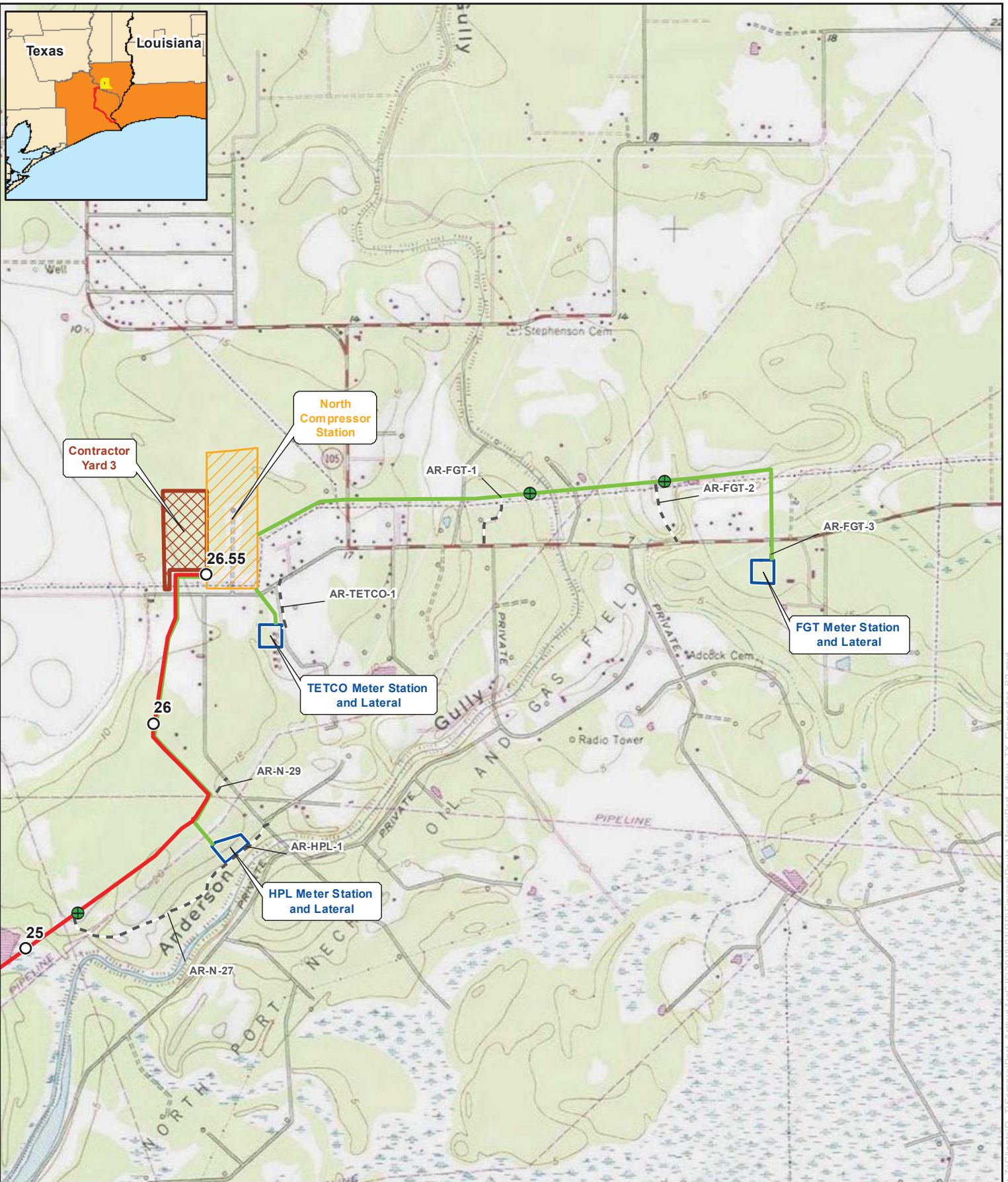
0 1,000 2,000 Feet

1 inch = 2,000 feet



Appendix B-2 Texas Connector Project Route Map Orange County, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Lateral
- Proposed North Pipeline
- Proposed South Pipeline
- - - Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

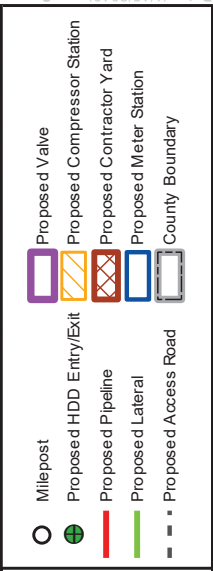
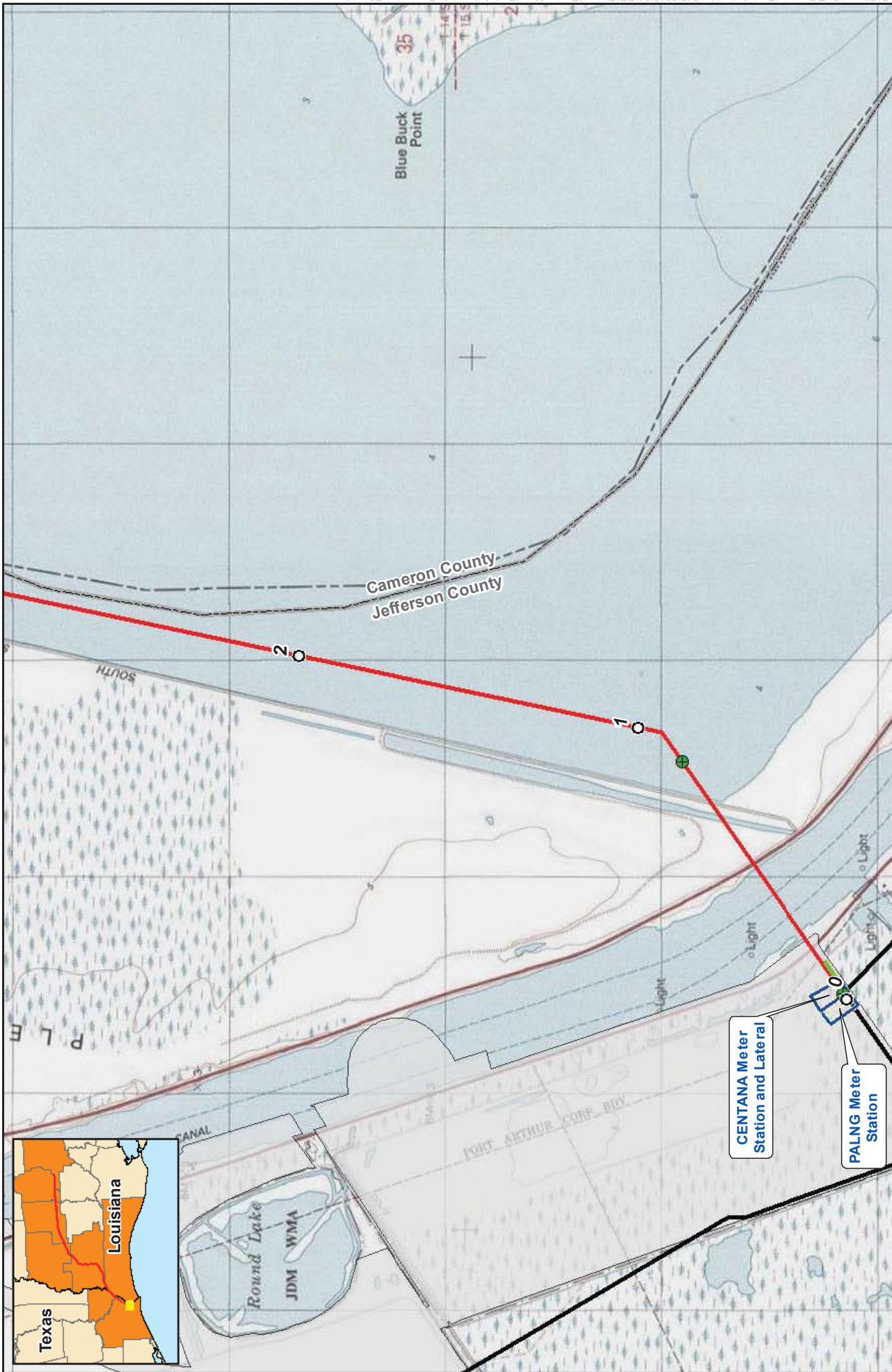


Appendix B-2
Texas Connector Project
Route Map
Orange County, Texas

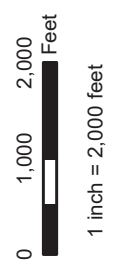
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|---------------------------|-------------------------------|
| ○ Milepost | - - - Proposed Access Road |
| ● Proposed HDD Entry/Exit | ■ Proposed Valve |
| — Proposed Lateral | ■ Proposed Compressor Station |
| — Proposed North Pipeline | ■ Proposed Contractor Yard |
| — Proposed South Pipeline | ■ Proposed Meter Station |
| | ▭ County Boundary |

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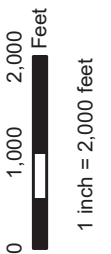
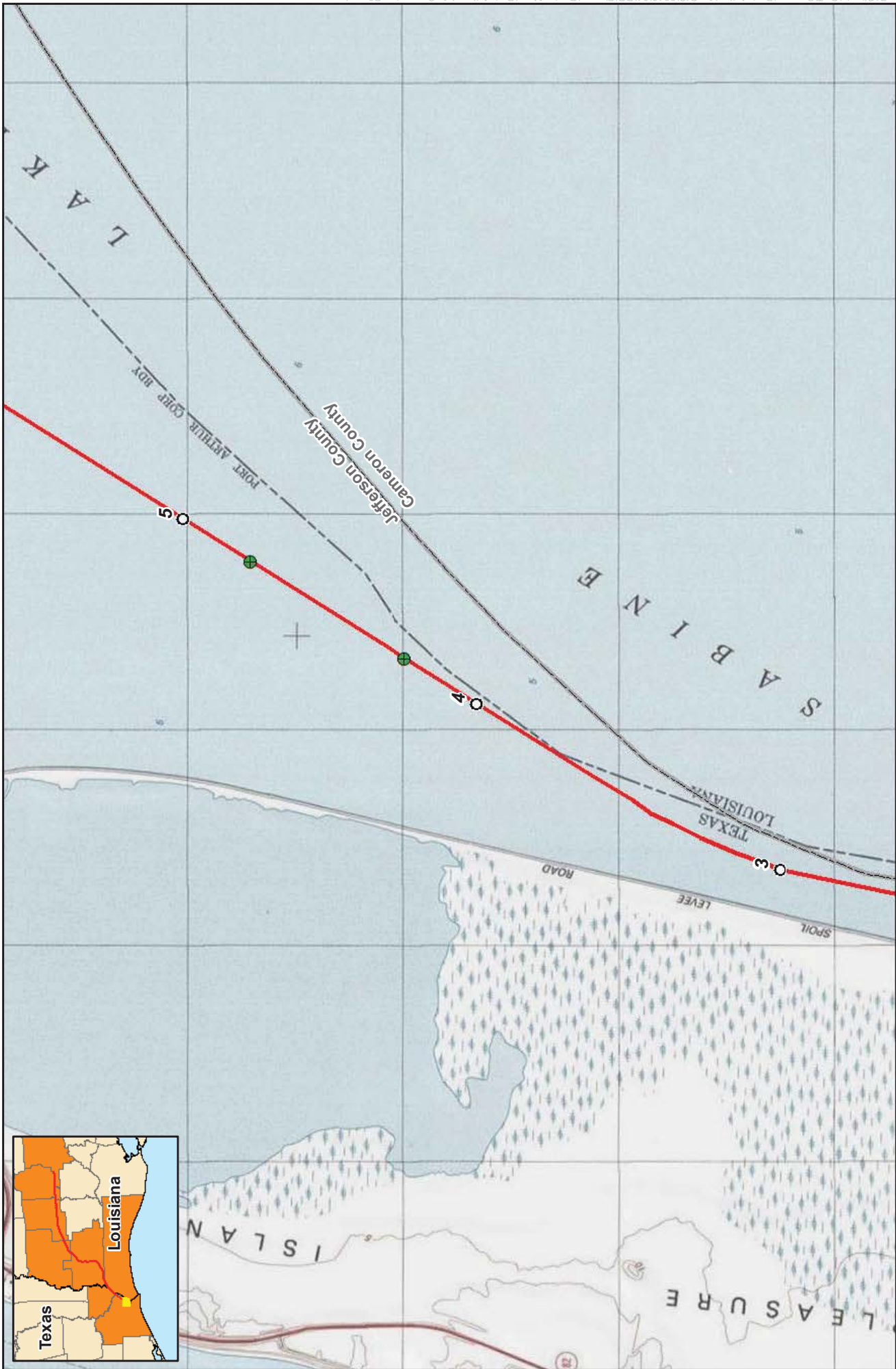
Louisiana Connector Project



Appendix B-3
Louisiana Connector Project
Route Map
Jefferson County, Texas



B-3-1

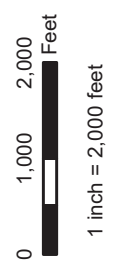


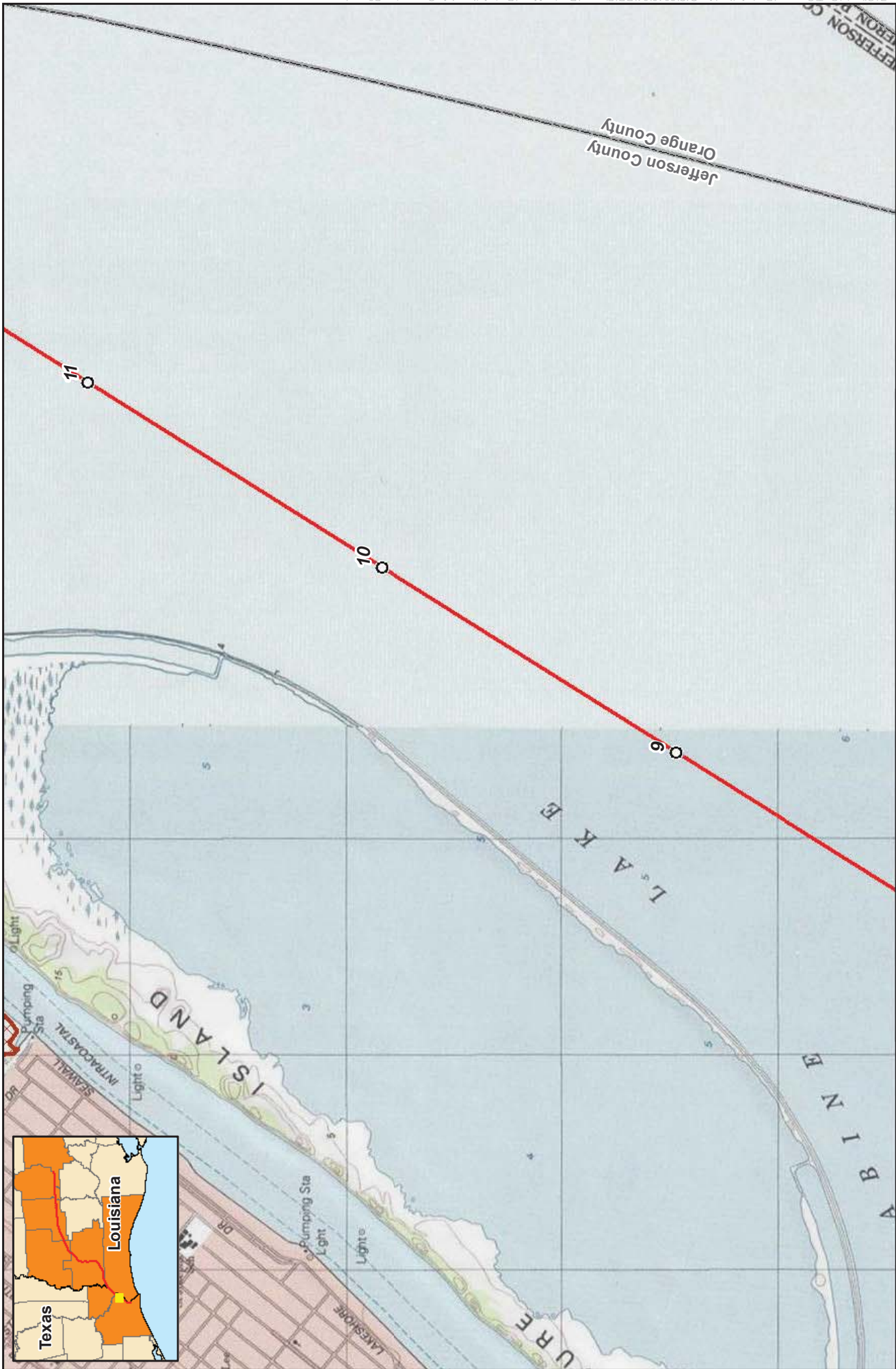
Appendix B-3
Louisiana Connector Project
Route Map
Jefferson County, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3
Louisiana Connector Project
Route Map
Jefferson County, Texas



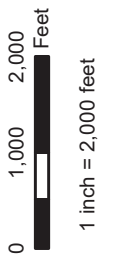
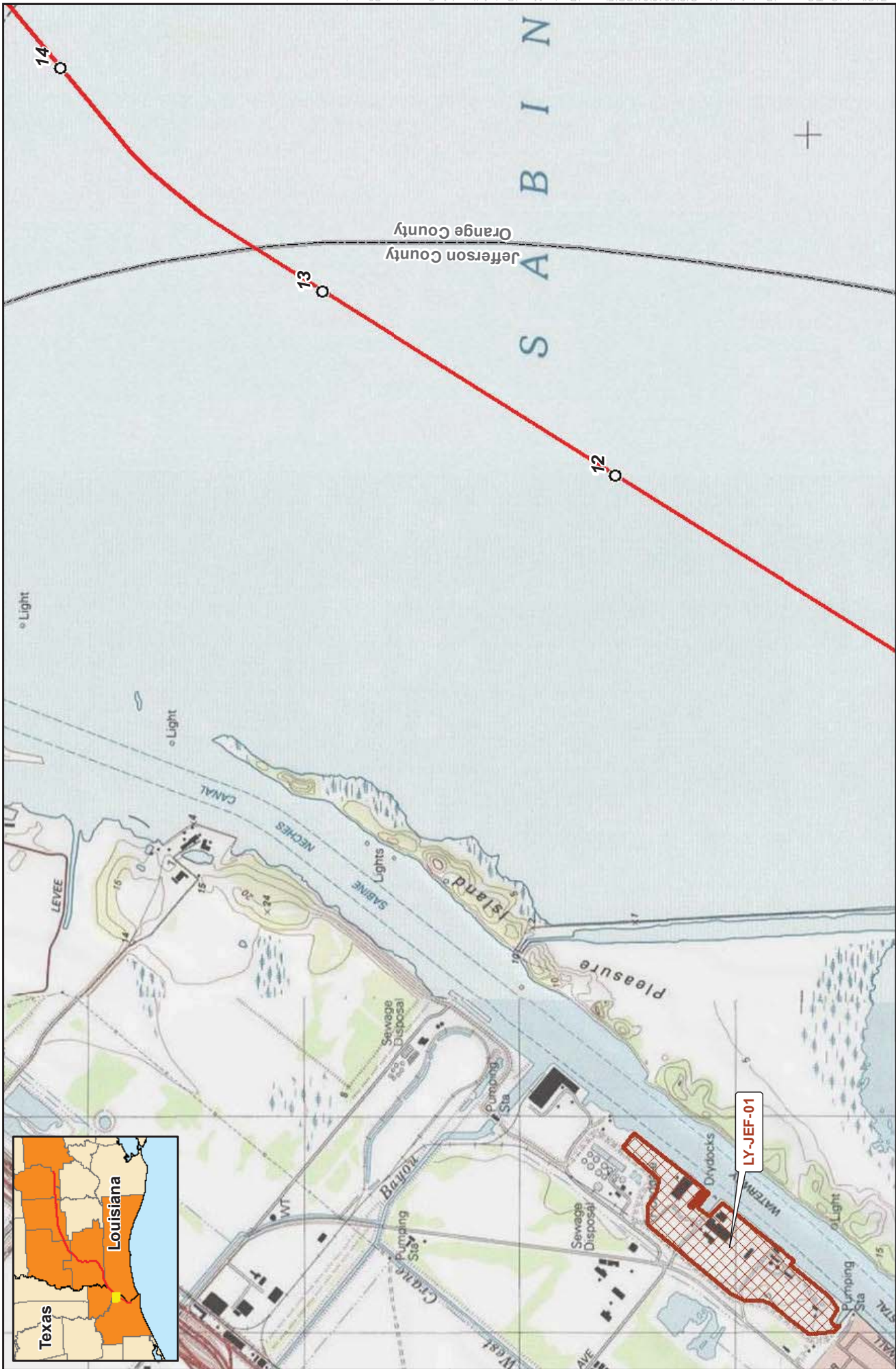


Appendix B-3
Louisiana Connector Project
Route Map
Jefferson County, Texas



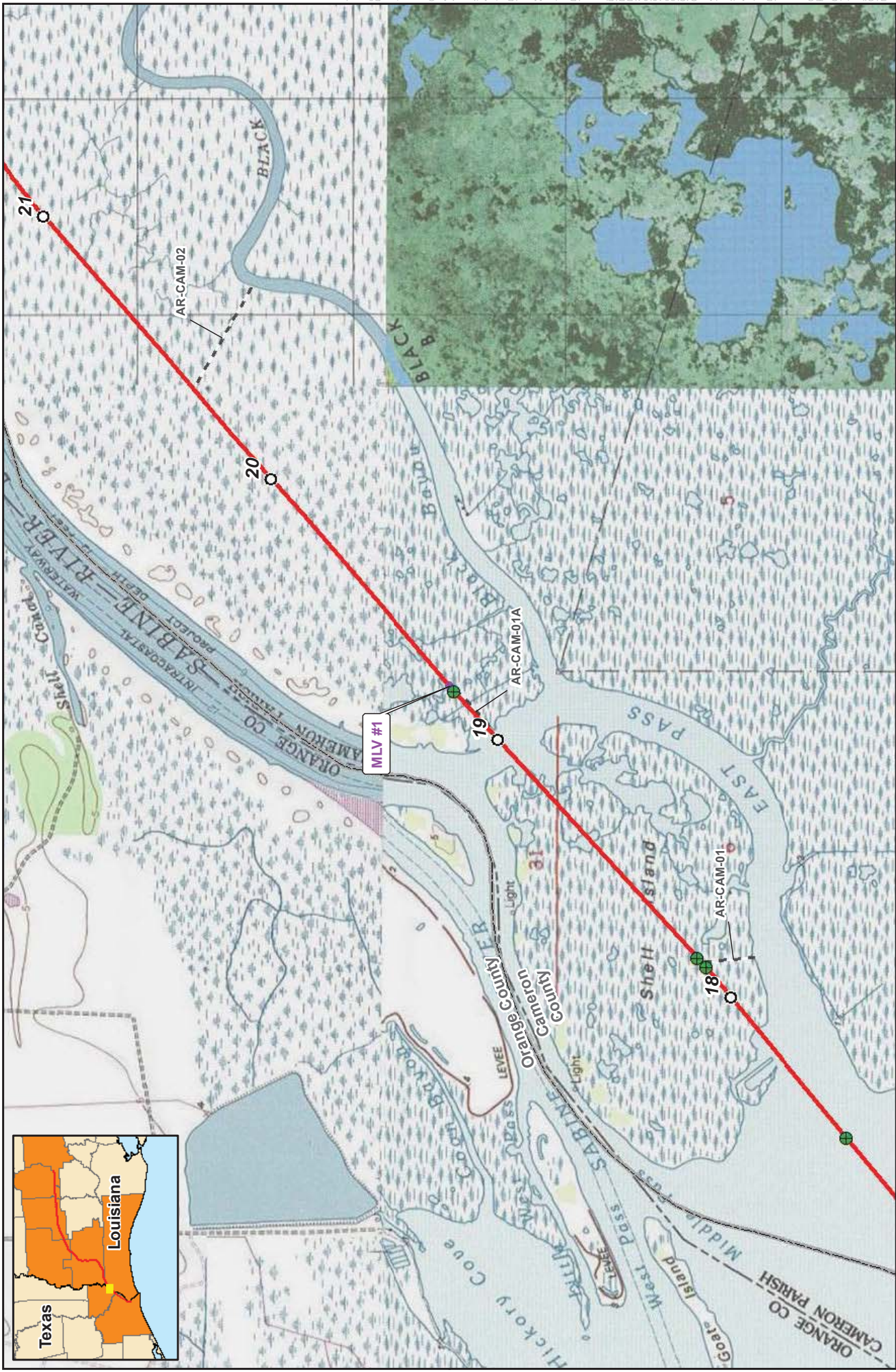
0 1,000 2,000 Feet
 1 inch = 2,000 feet

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



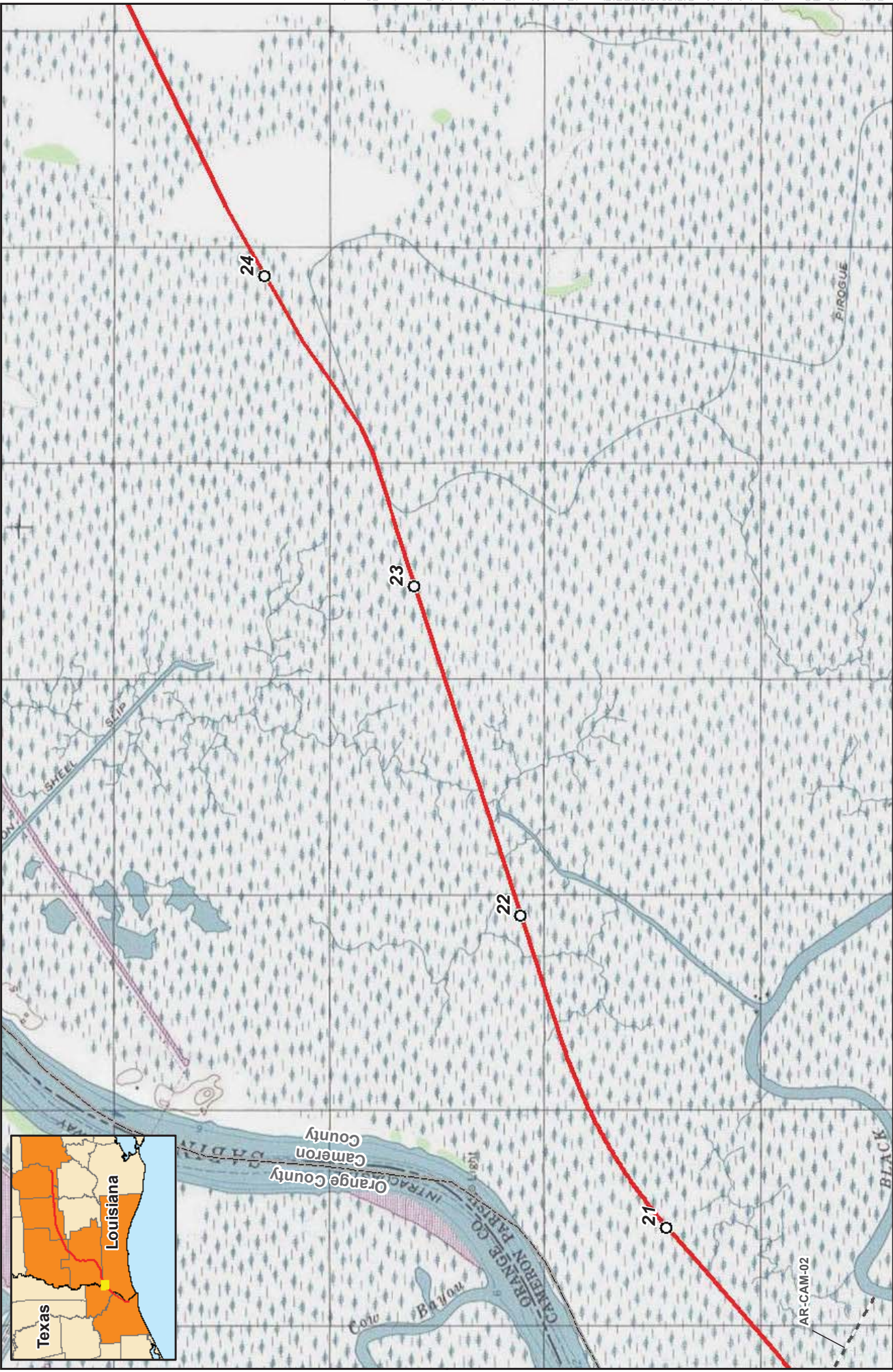
Appendix B-3
Louisiana Connector Project
Route Map
Jefferson and Orange Counties, Texas

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3 Louisiana Connector Project Route Map Cameron Parish, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

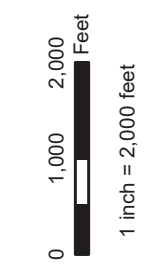
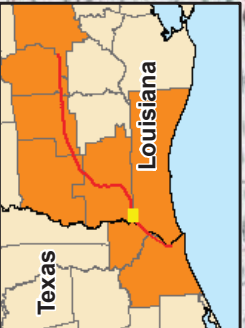
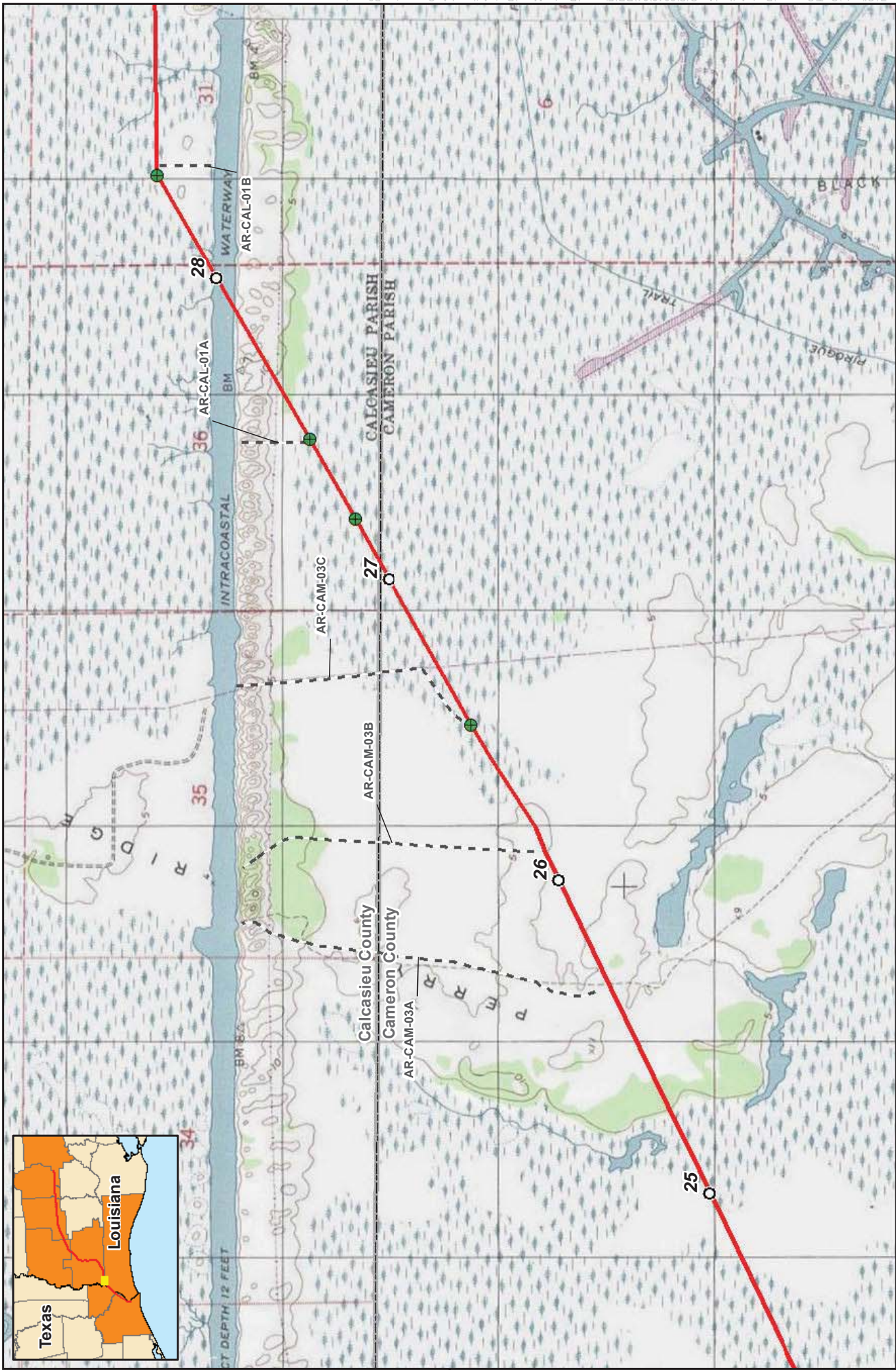


- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

Appendix B-3 Louisiana Connector Project Route Map Cameron Parish, Louisiana

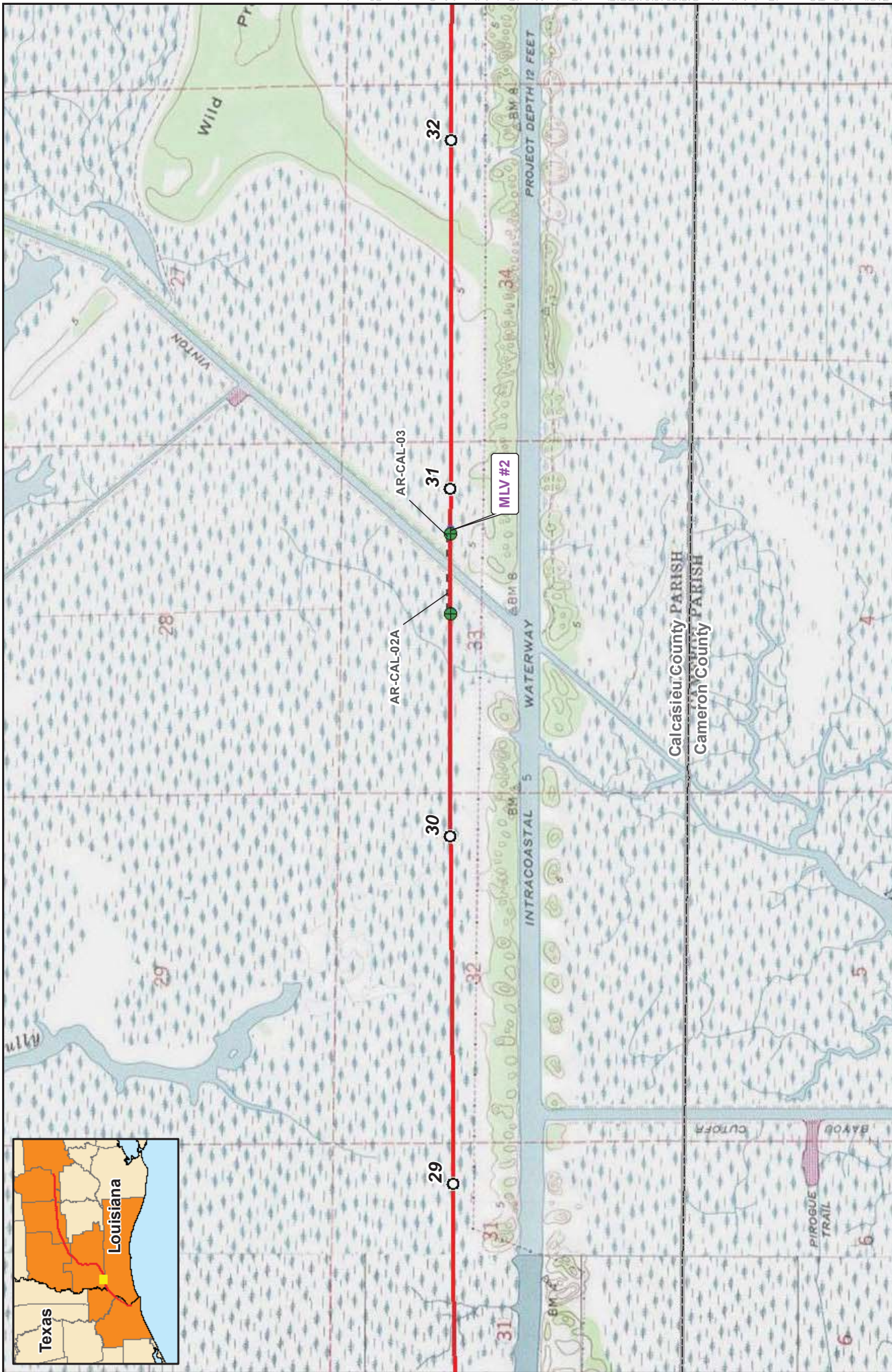
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B-3-8



Appendix B-3
Louisiana Connector Project
Route Map
Cameron and Calcasieu Parishes, Louisiana

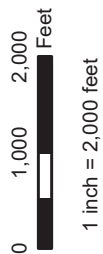
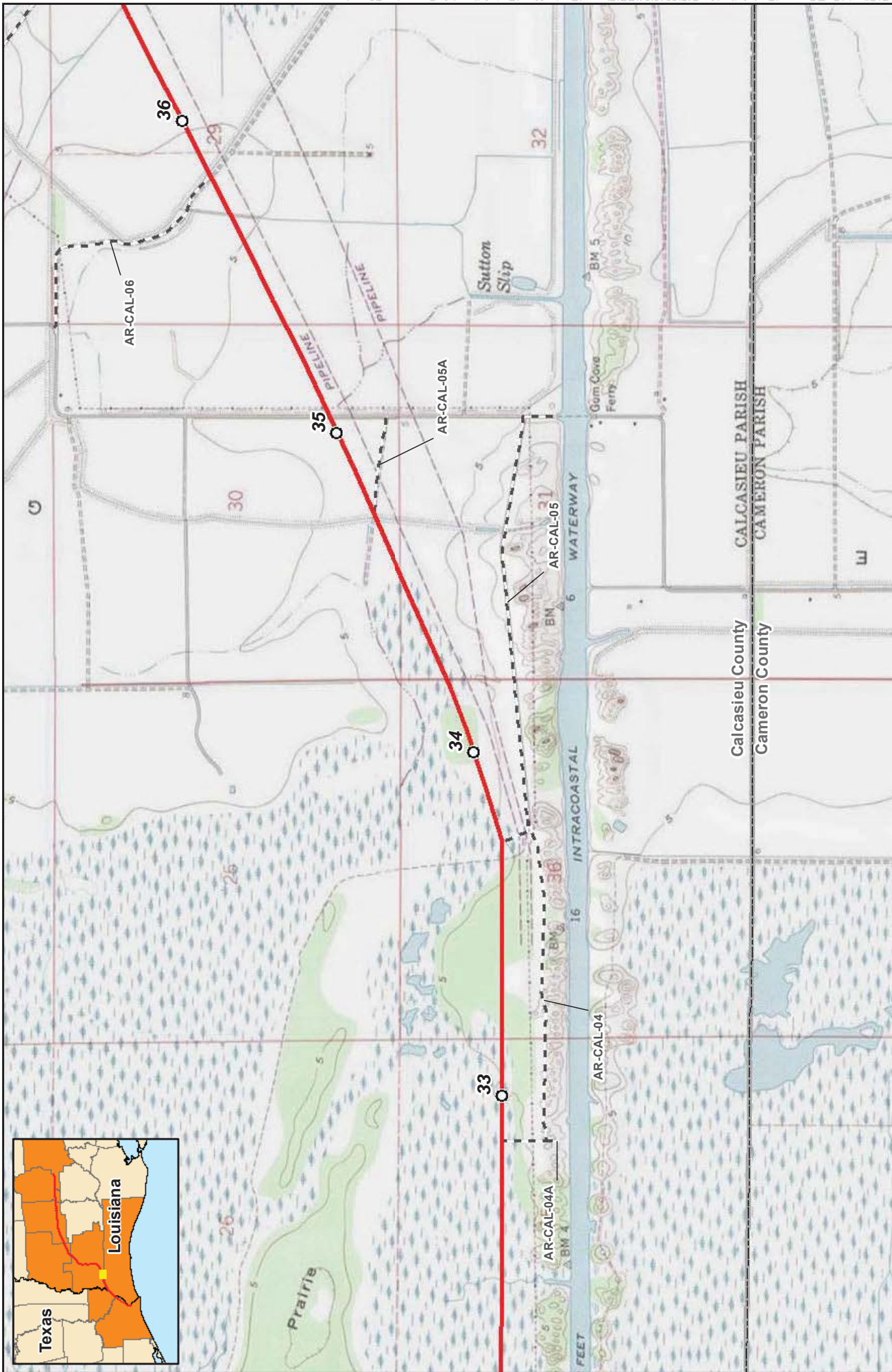
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



0 1,000 2,000 Feet
 1 inch = 2,000 feet

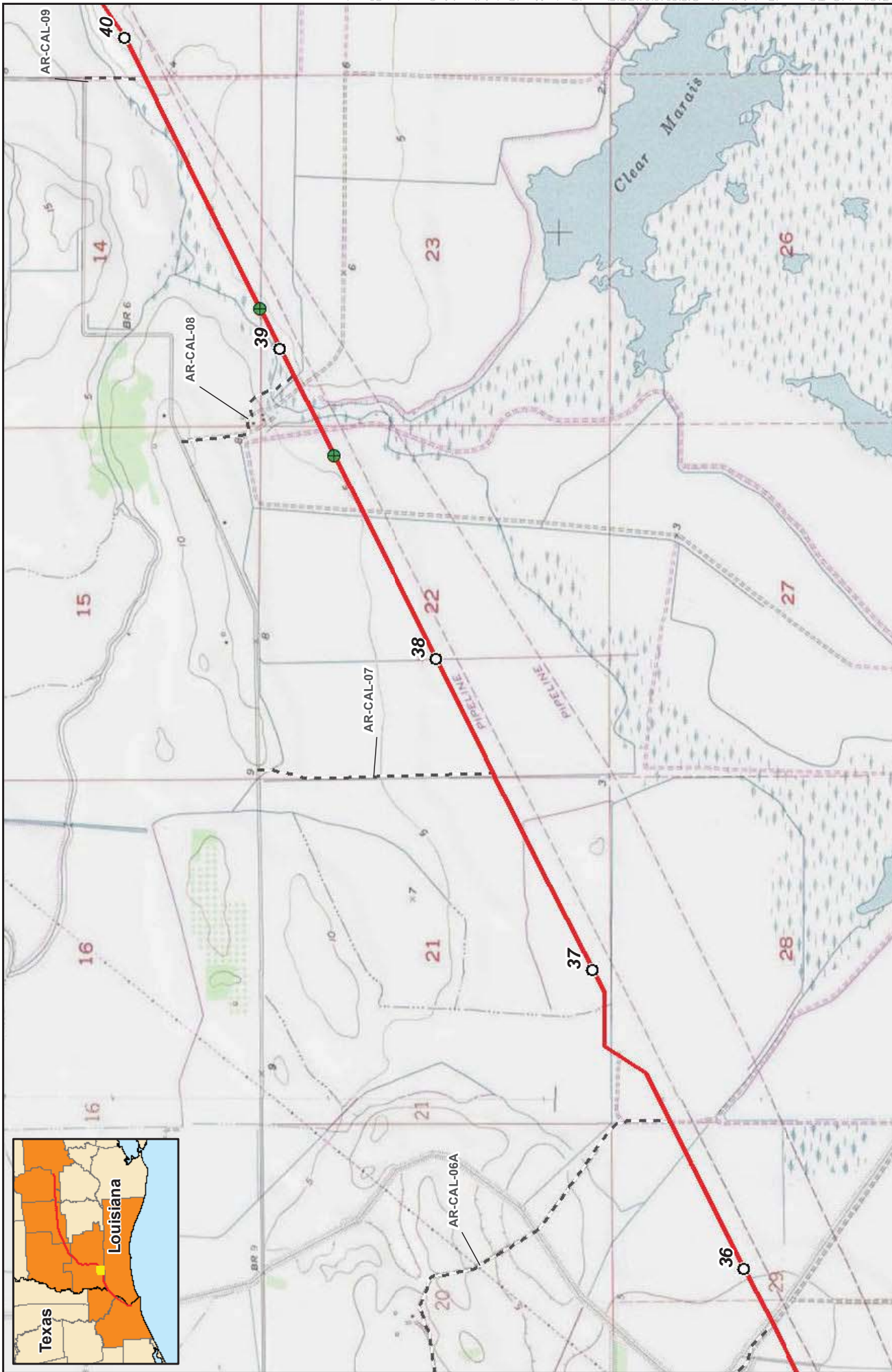
Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3
Louisiana Connector Project
Route Map
Calcasieu Parish, Louisiana

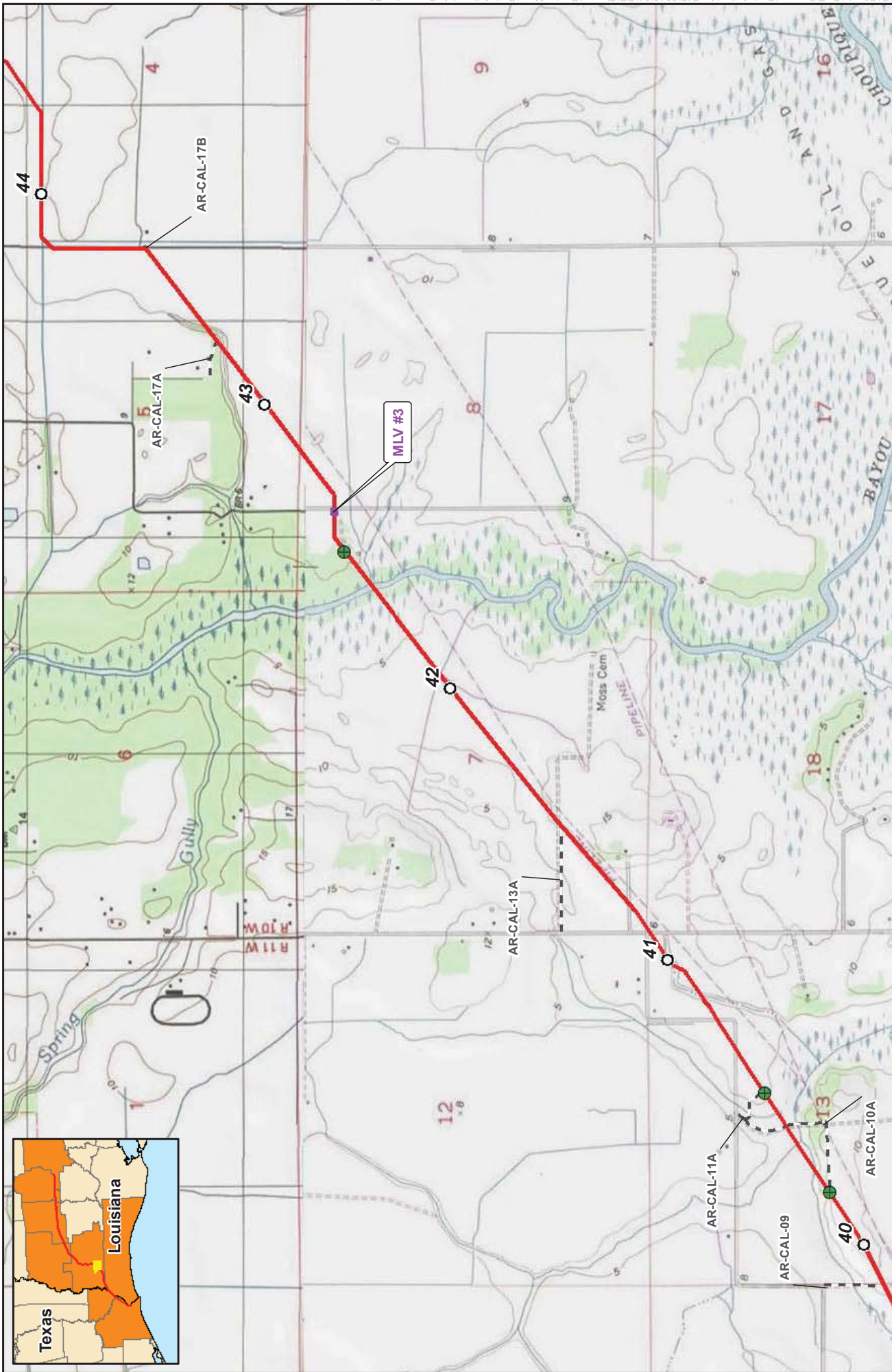
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana



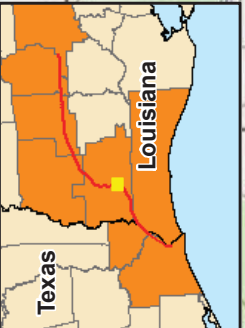
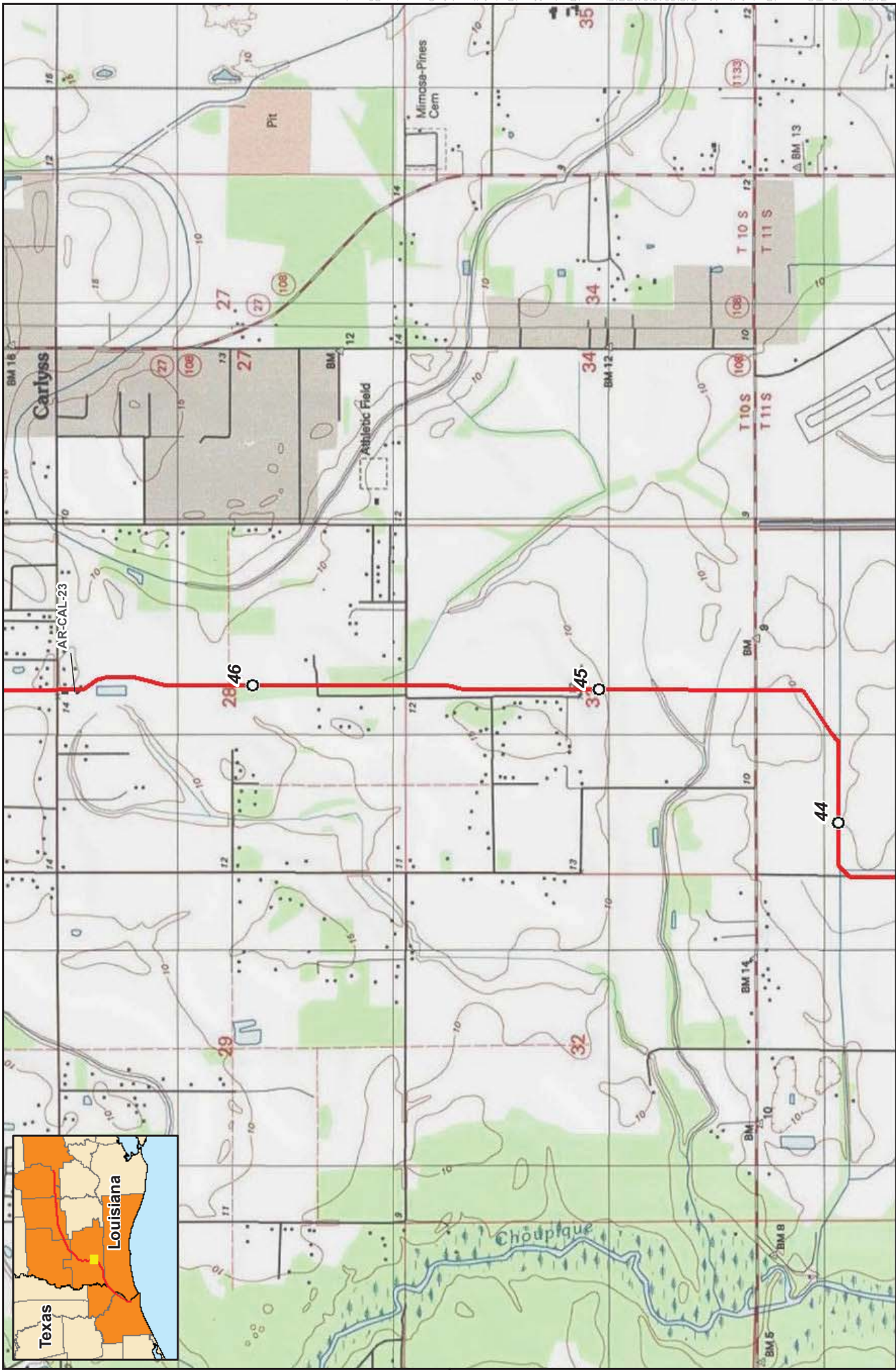
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1 inch = 2,000 feet



0 1,000 2,000 Feet
 1 inch = 2,000 feet

Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

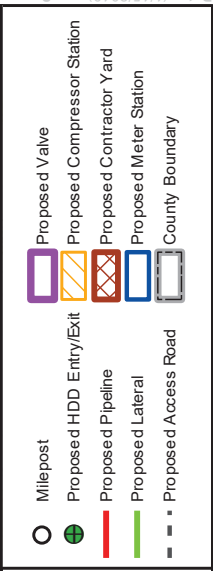
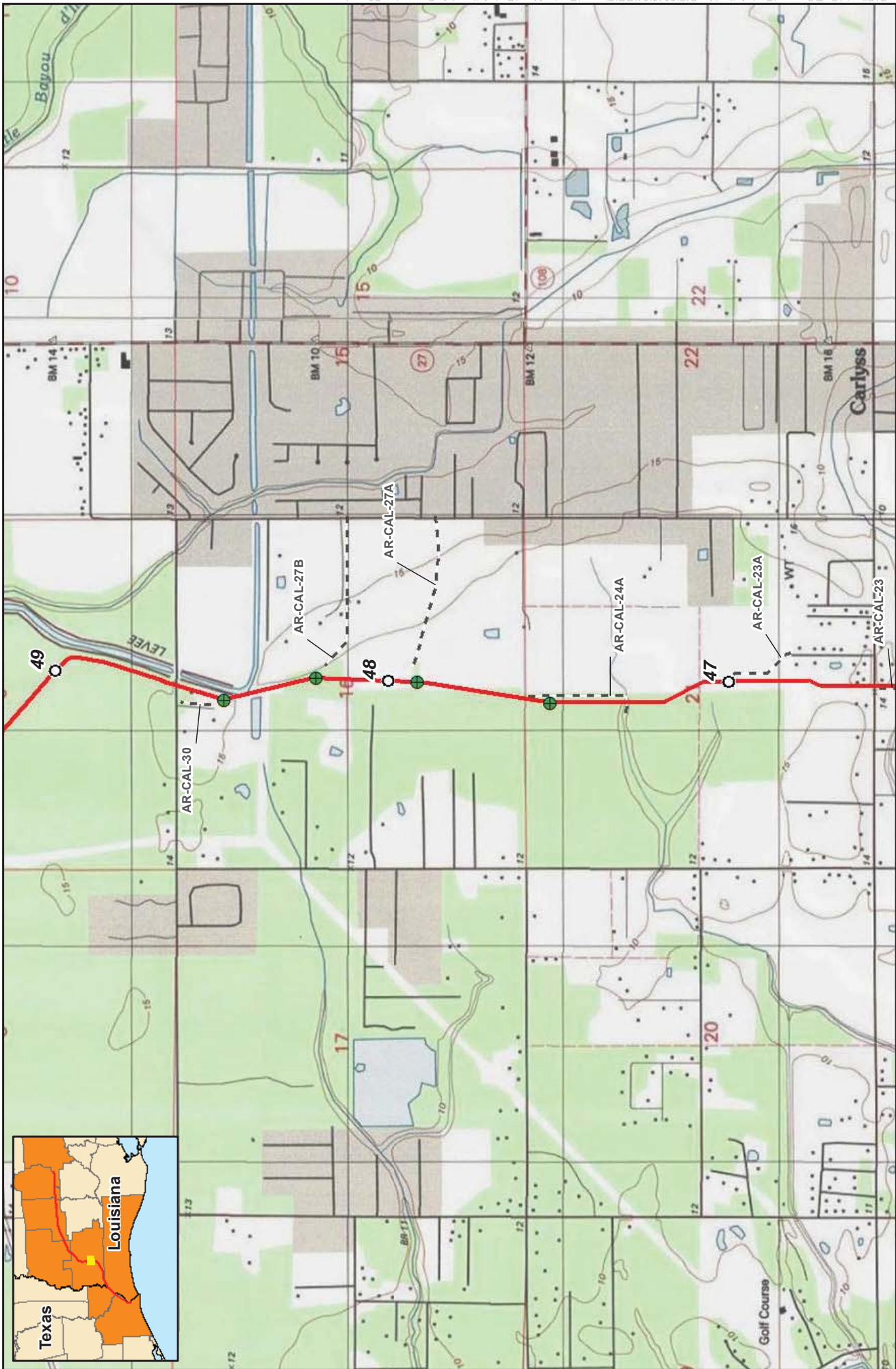
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



0 1,000 2,000 Feet
 1 inch = 2,000 feet

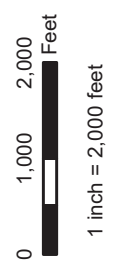
Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

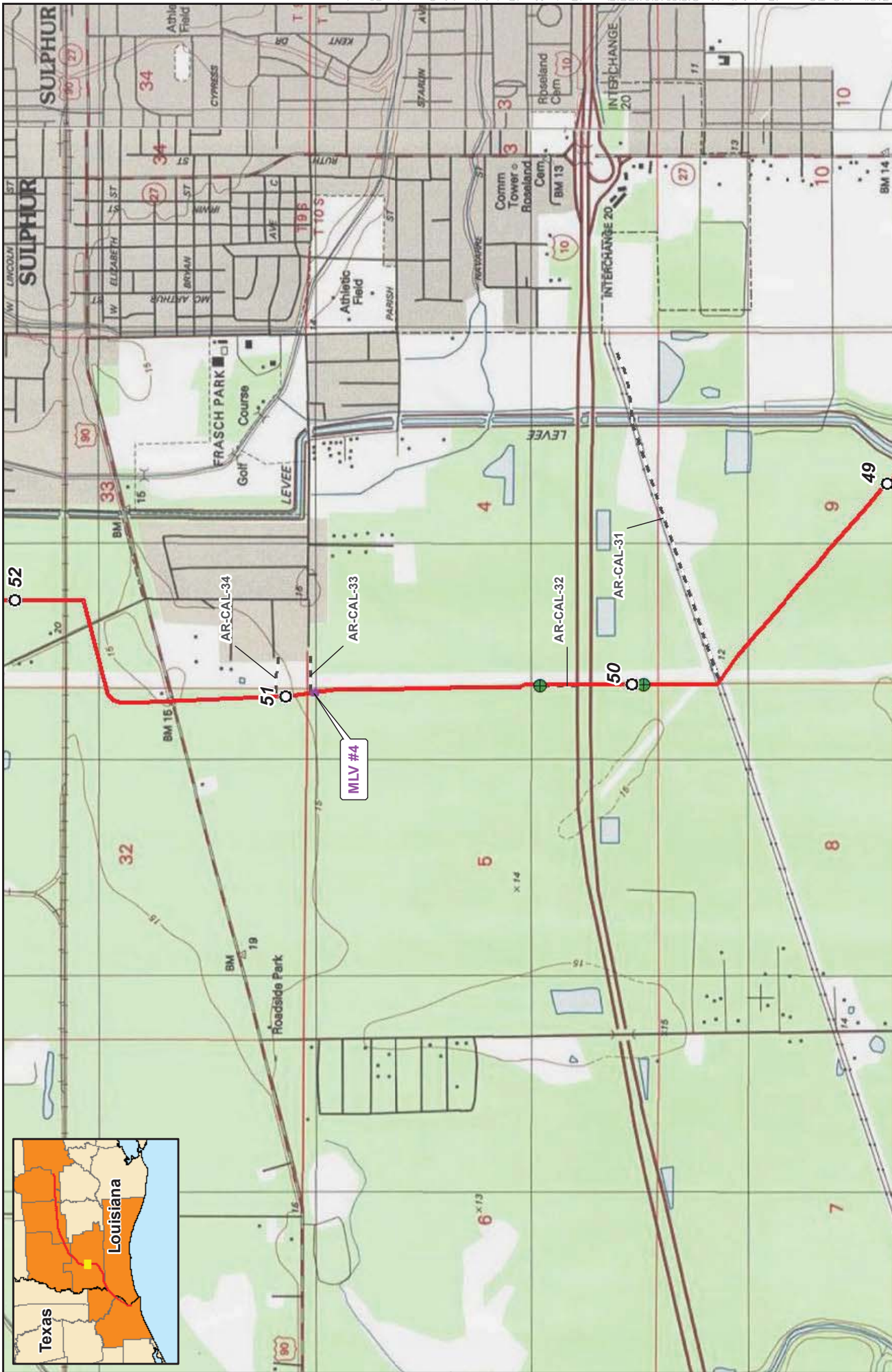
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3

Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

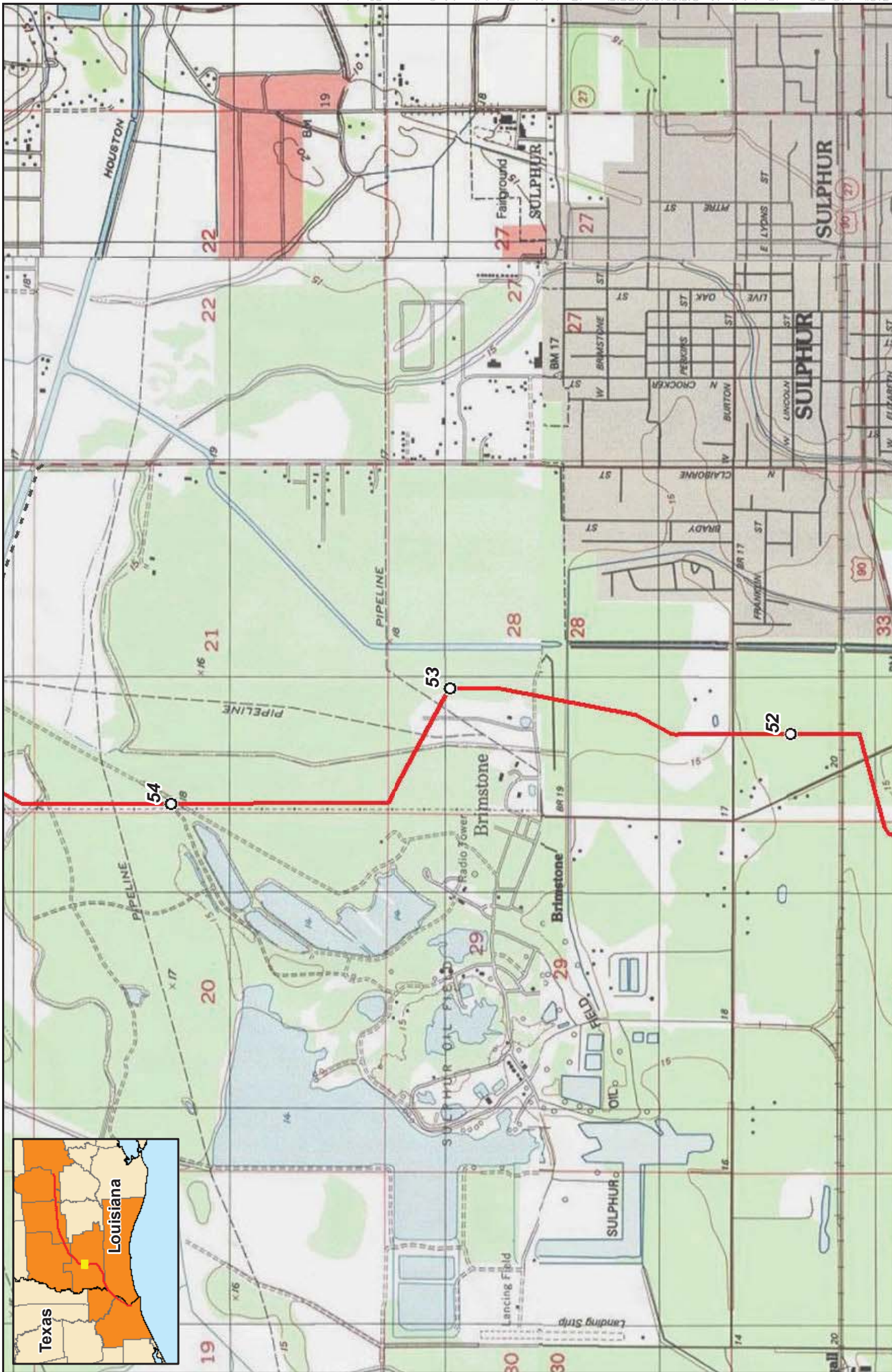




0 1,000 2,000 Feet
 1 inch = 2,000 feet

Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

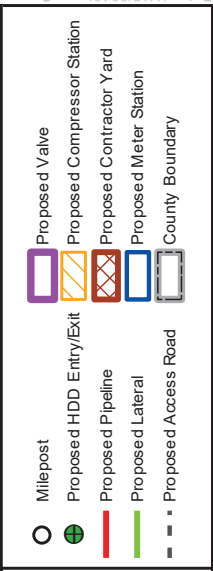
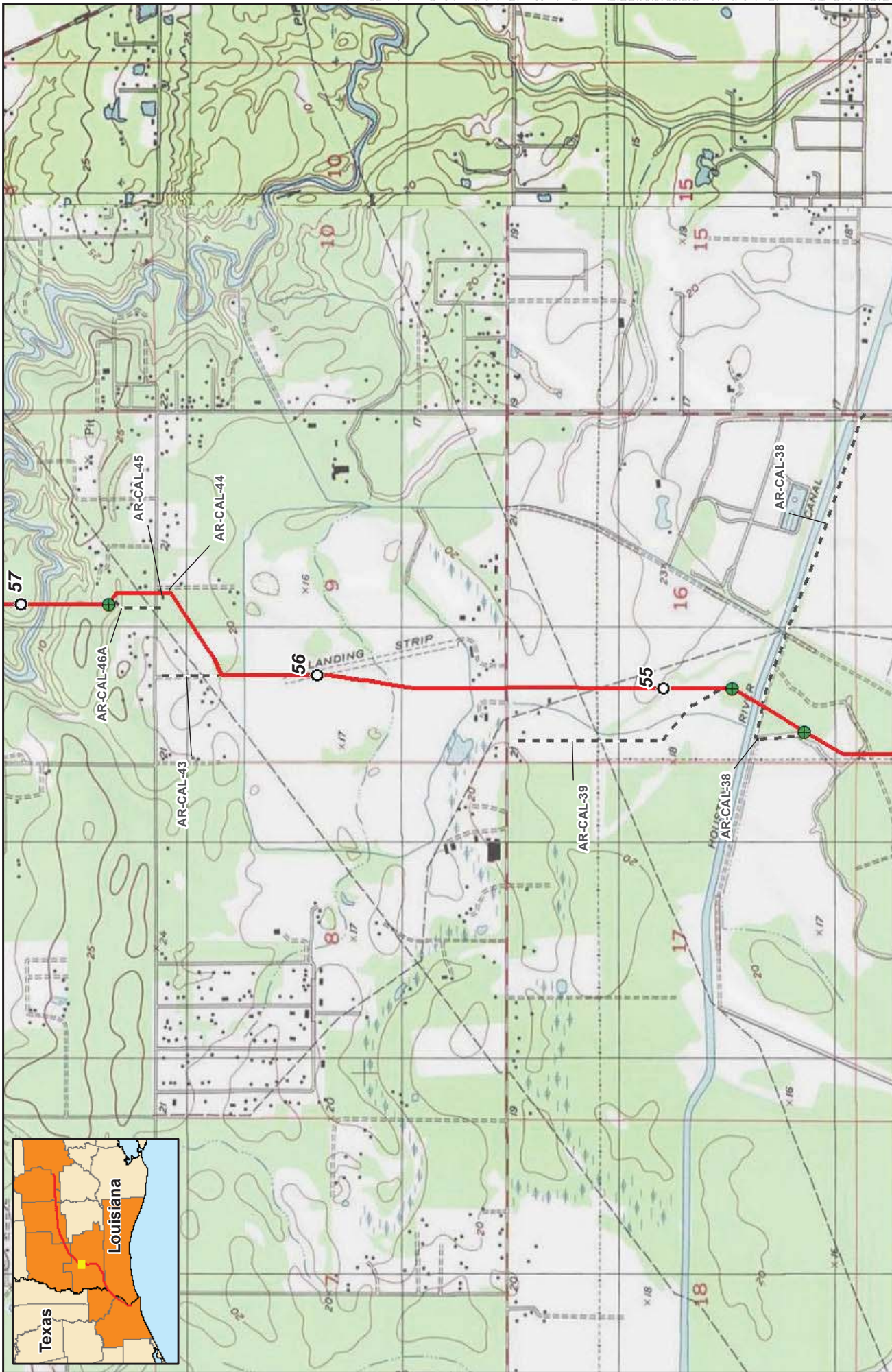
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



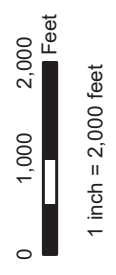
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 1 inch = 2,000 feet

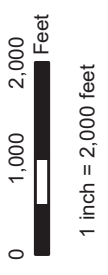
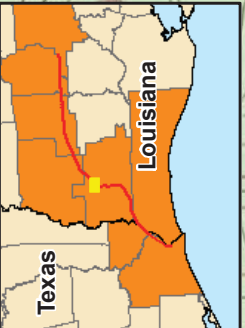
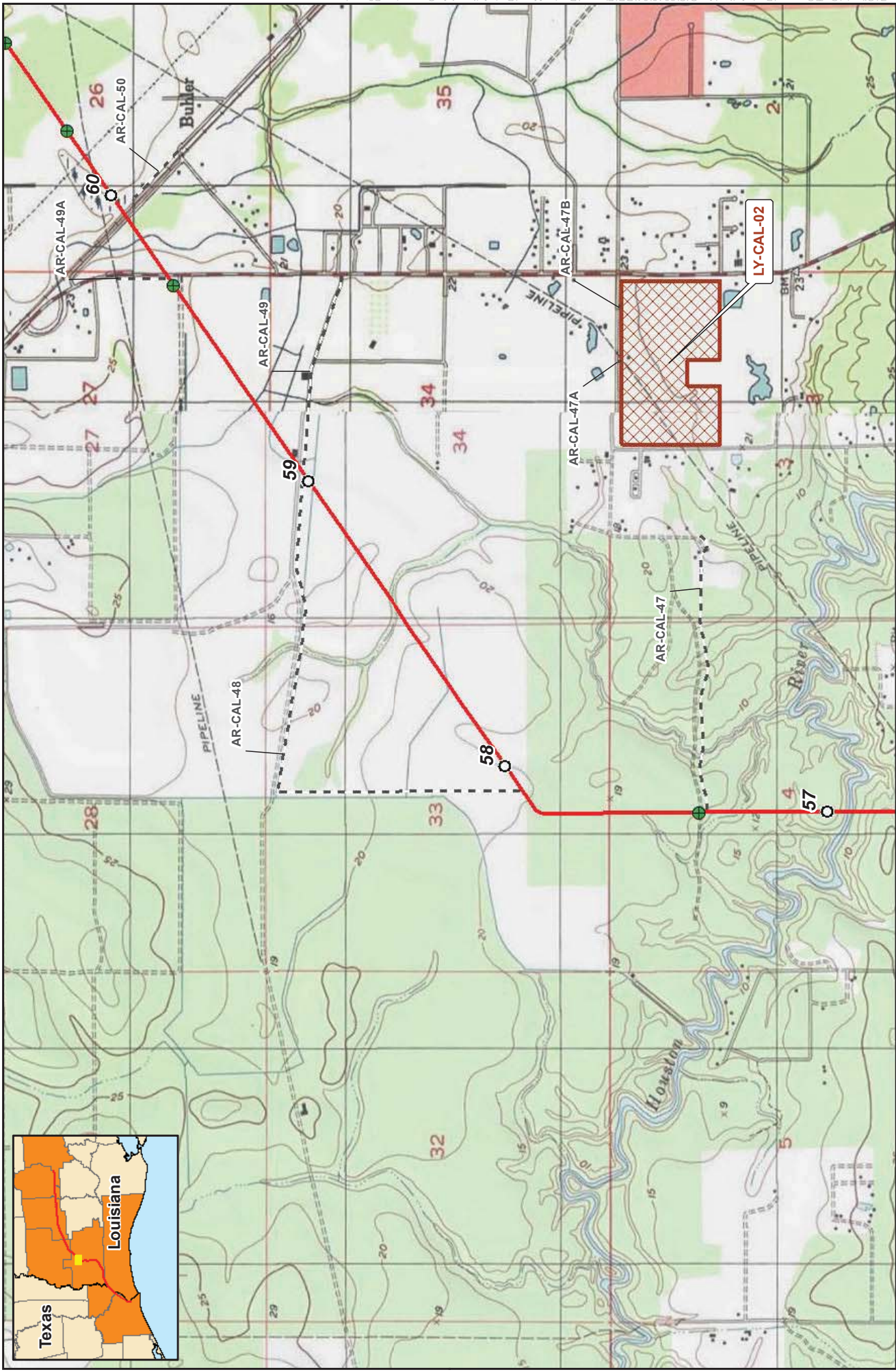
Appendix B-3 Louisiana Connector Project Route Map Calcasieu Parish, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

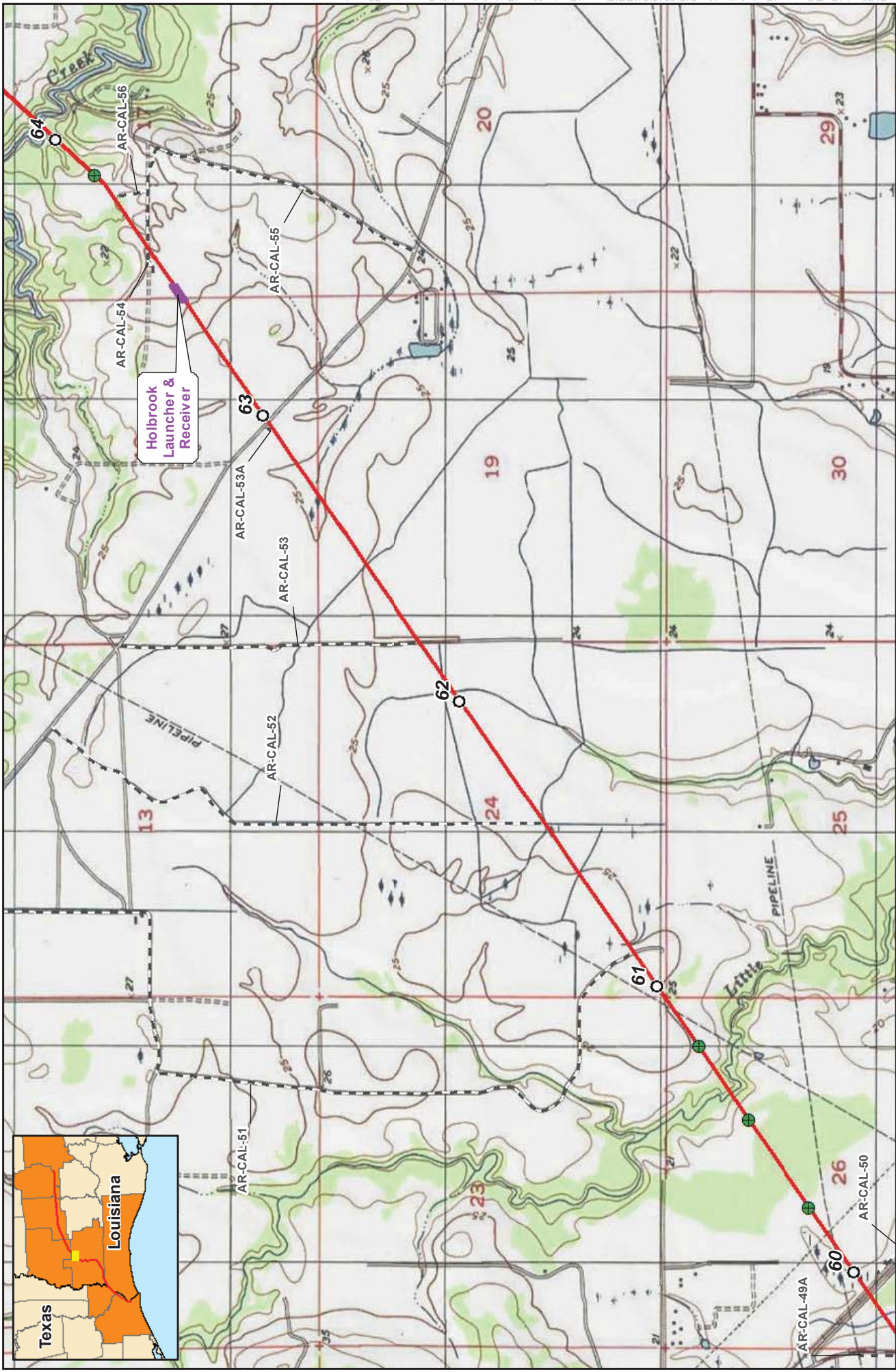


Appendix B-3
Louisiana Connector Project
Route Map
Calcasieu Parish, Louisiana





Appendix B-3
Louisiana Connector Project
Route Map
Calcasieu Parish, Louisiana



Appendix B-3
Louisiana Connector Project
Route Map
Calcasieu Parish, Louisiana

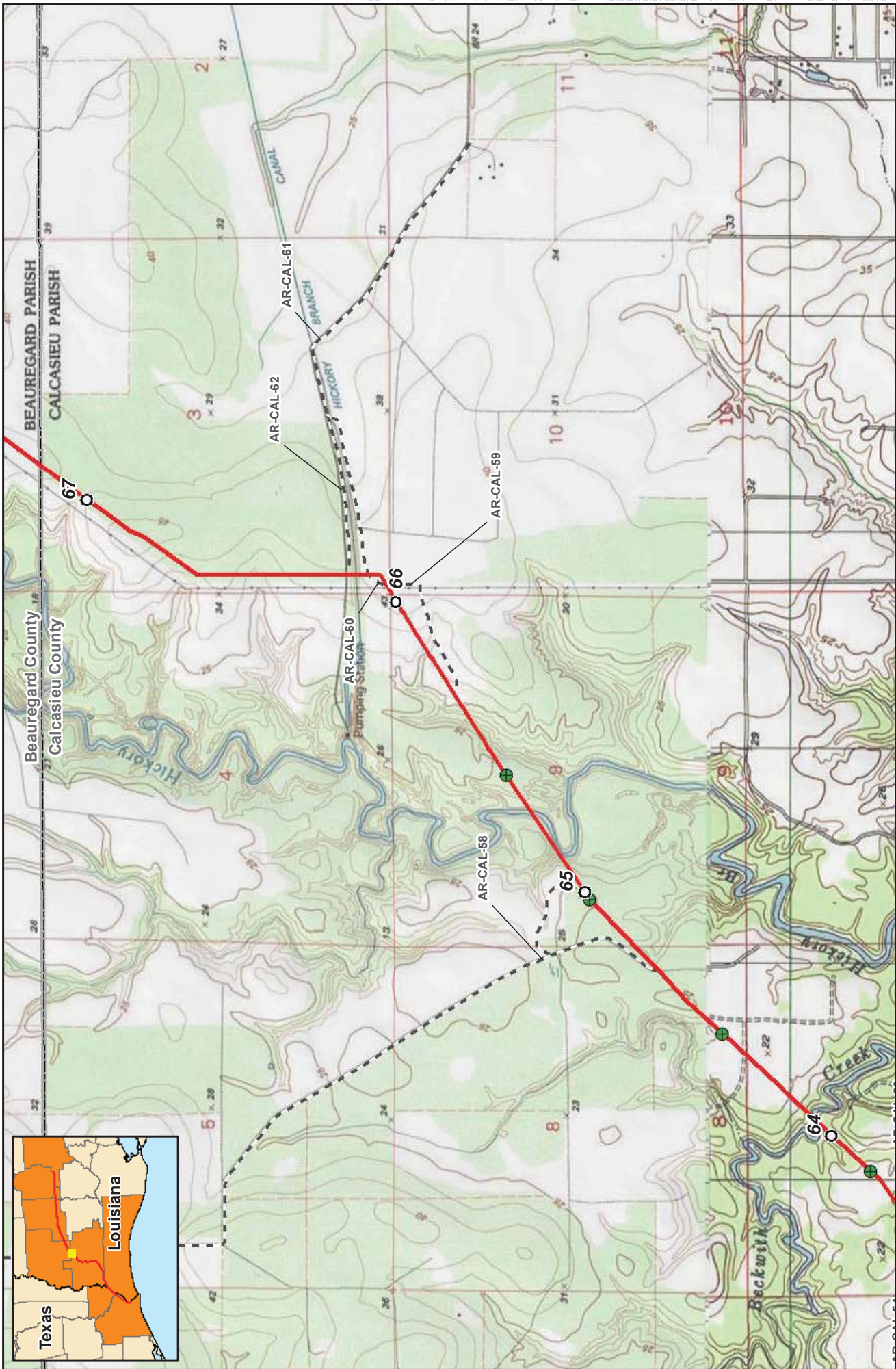
0 1,000 2,000 Feet

1 inch = 2,000 feet

For Environmental Review Purposes Only

Page 20 of 38

Milepost Proposed HDD Entry/Exit Proposed Pipeline Proposed Lateral Proposed Access Road	Proposed Valve Proposed Compressor Station Proposed Contractor Yard Proposed Meter Station County Boundary	
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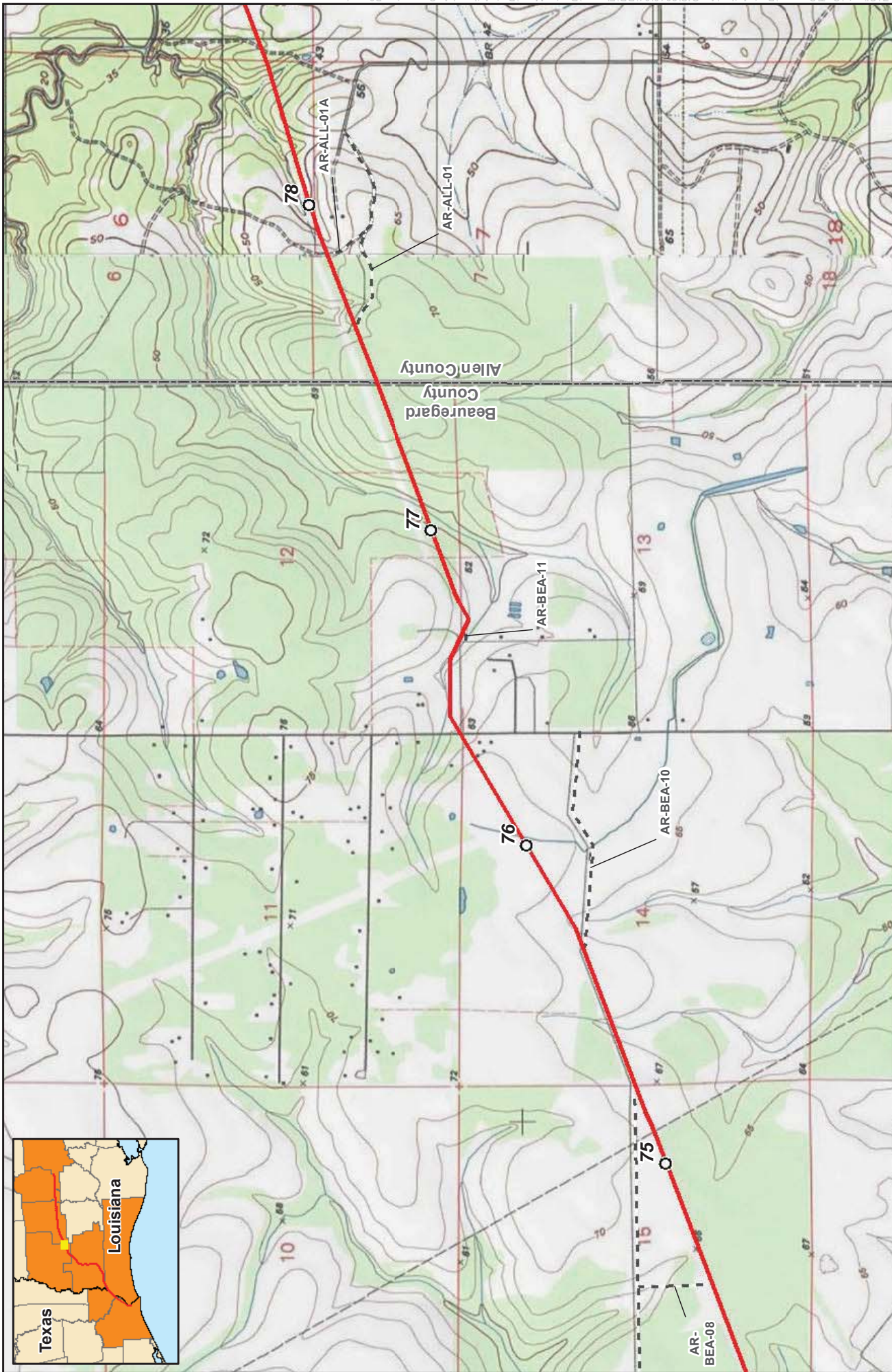
Appendix B-3
Louisiana Connector Project
Route Map
Calcasieu Parish, Louisiana

0 1,000 2,000 Feet
 1 inch = 2,000 feet

For Environmental Review Purposes Only

Page 21 of 38

Proposed Valve Proposed HDD Entry/Exit Proposed Pipeline Proposed Lateral Proposed Access Road	Proposed Compressor Station Proposed Contractor Yard Proposed Meter Station County Boundary
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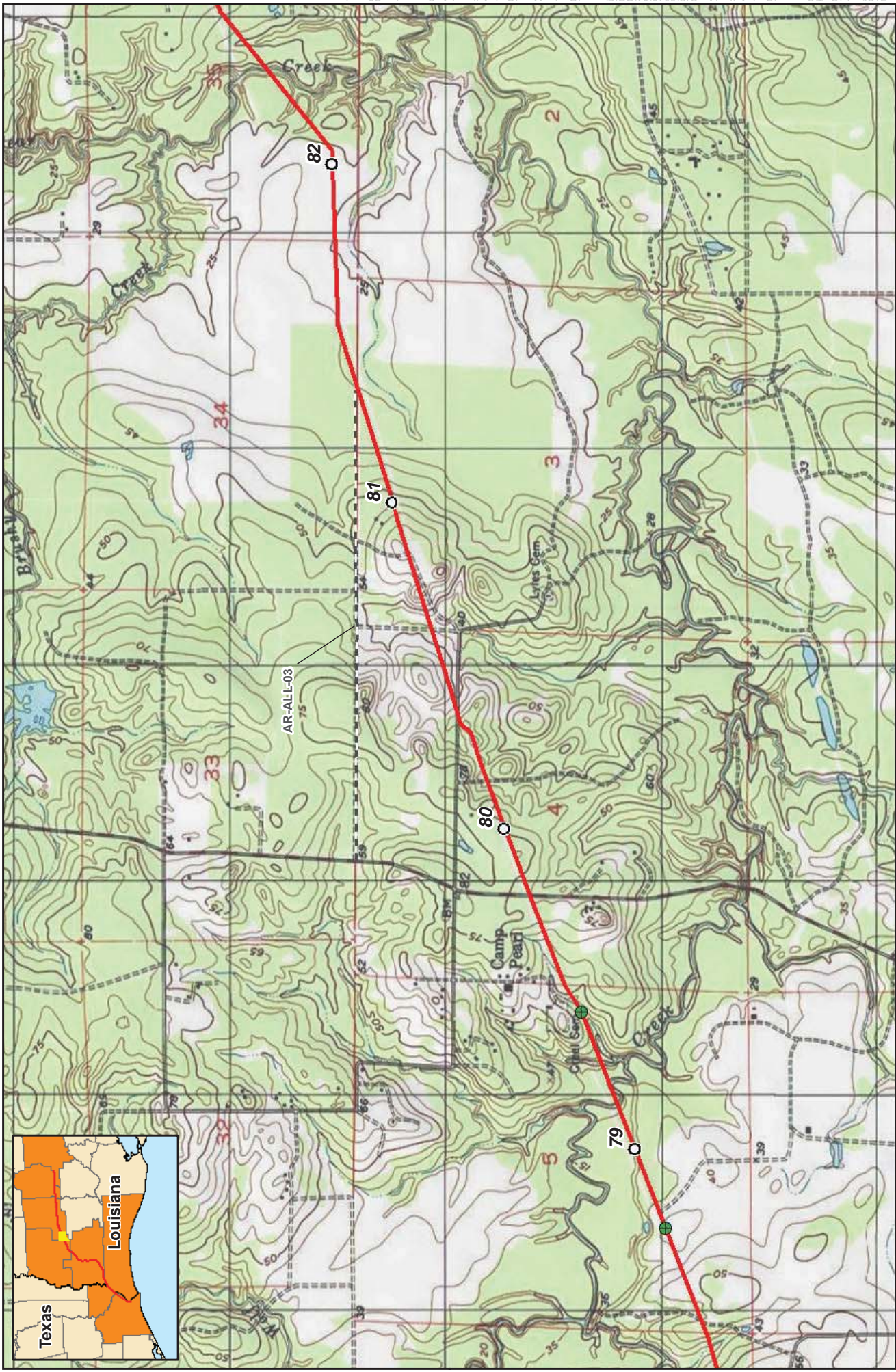


0 1,000 2,000 Feet

1 inch = 2,000 feet

Appendix B-3 Louisiana Connector Project Route Map Beaugard and Allen Parishes, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



Appendix B-3
Louisiana Connector Project
Route Map
Allen Parish, Louisiana

0 1,000 2,000 Feet
 1 inch = 2,000 feet

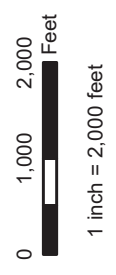
○ Milepost
 ● HDD Entry/Exit
 — Proposed Pipeline
 — Proposed Lateral
 - - - Proposed Access Road
 □ Proposed Valve
 □ Proposed Compressor Station
 □ Proposed Contractor Yard
 □ Proposed Meter Station
 □ County Boundary

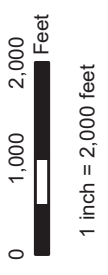
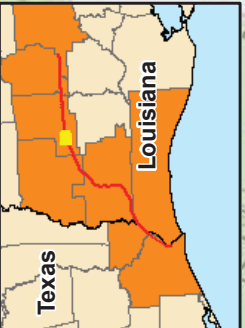
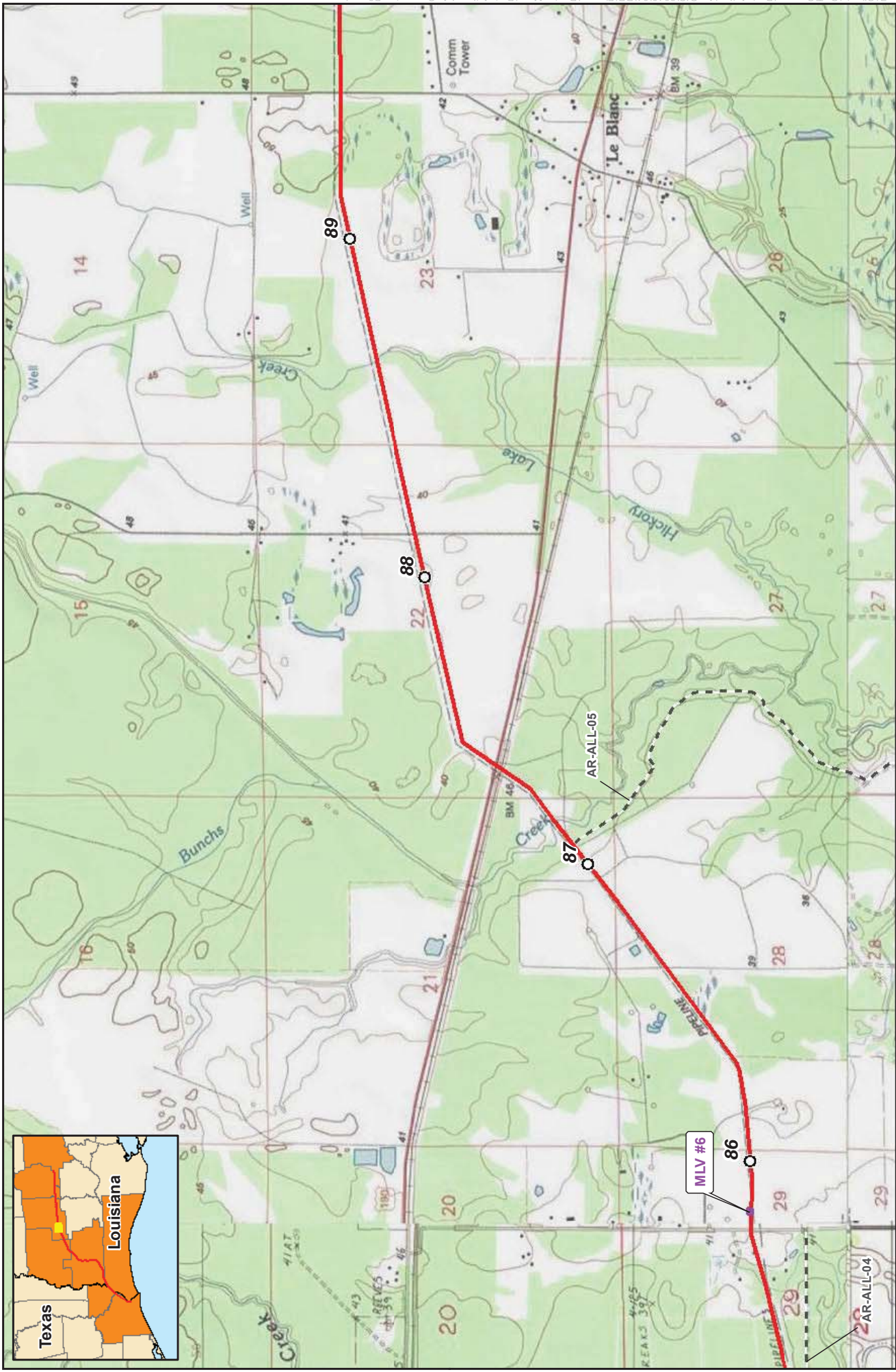
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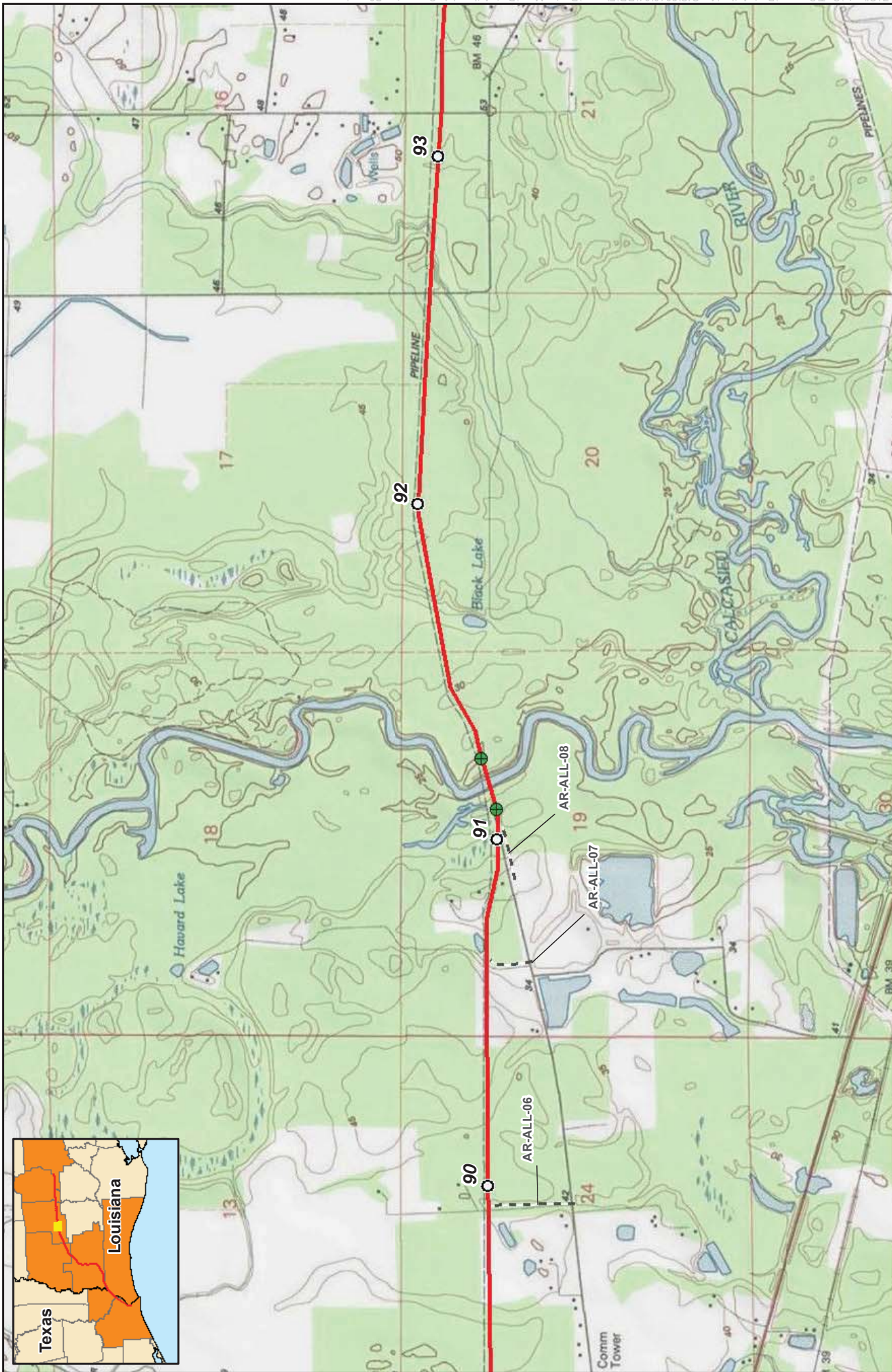
Appendix B-3
Louisiana Connector Project
Route Map
Allen Parish, Louisiana





Appendix B-3 Louisiana Connector Project Route Map Allen Parish, Louisiana

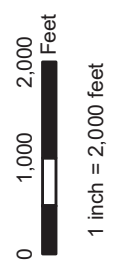
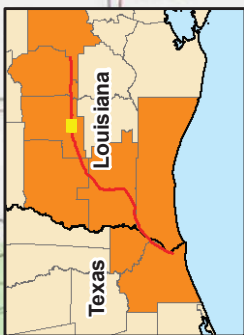
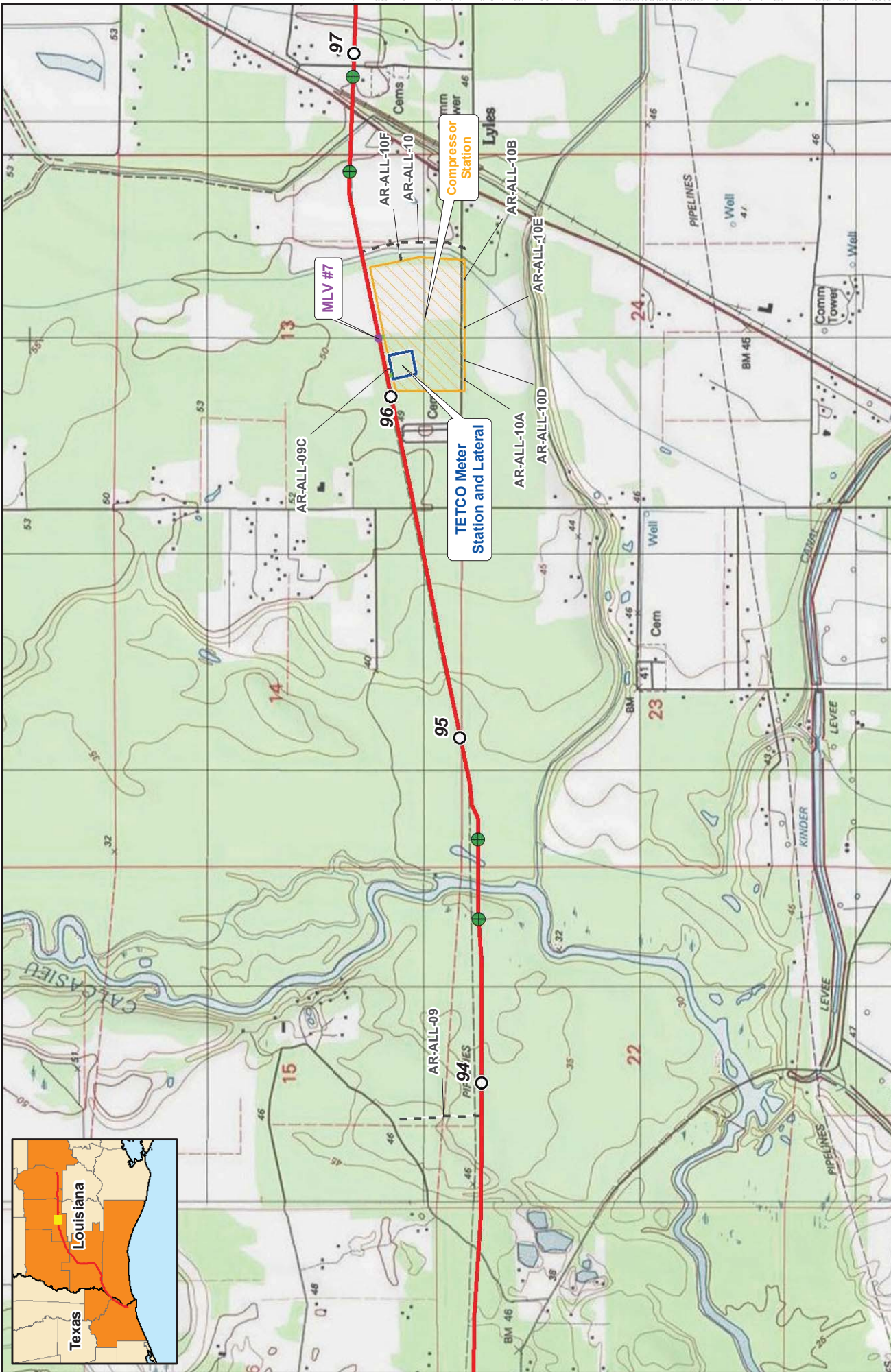
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



0 1,000 2,000 Feet
 1 inch = 2,000 feet

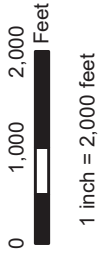
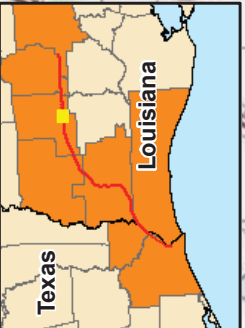
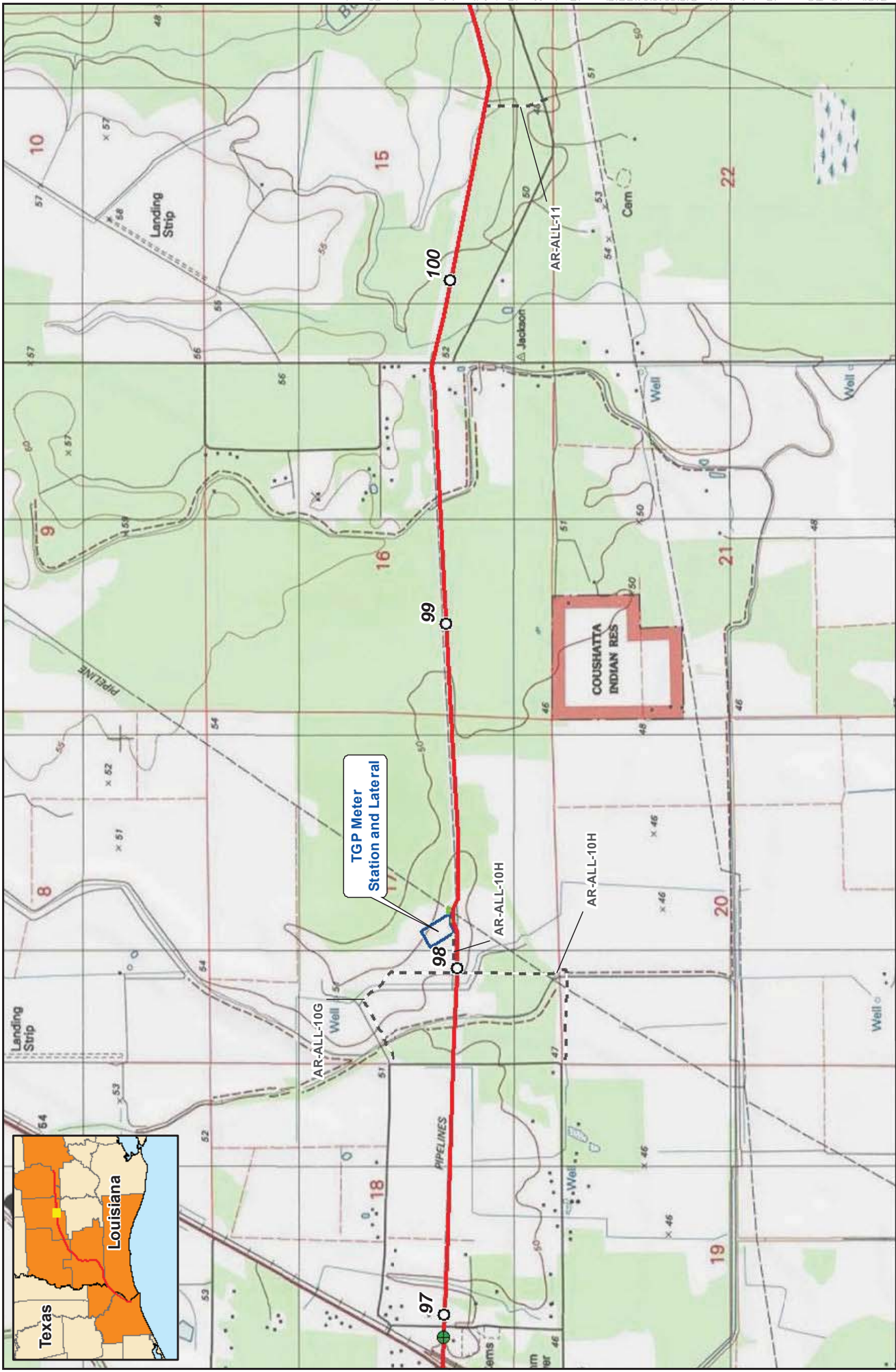
- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

Appendix B-3 Louisiana Connector Project Route Map Allen Parish, Louisiana



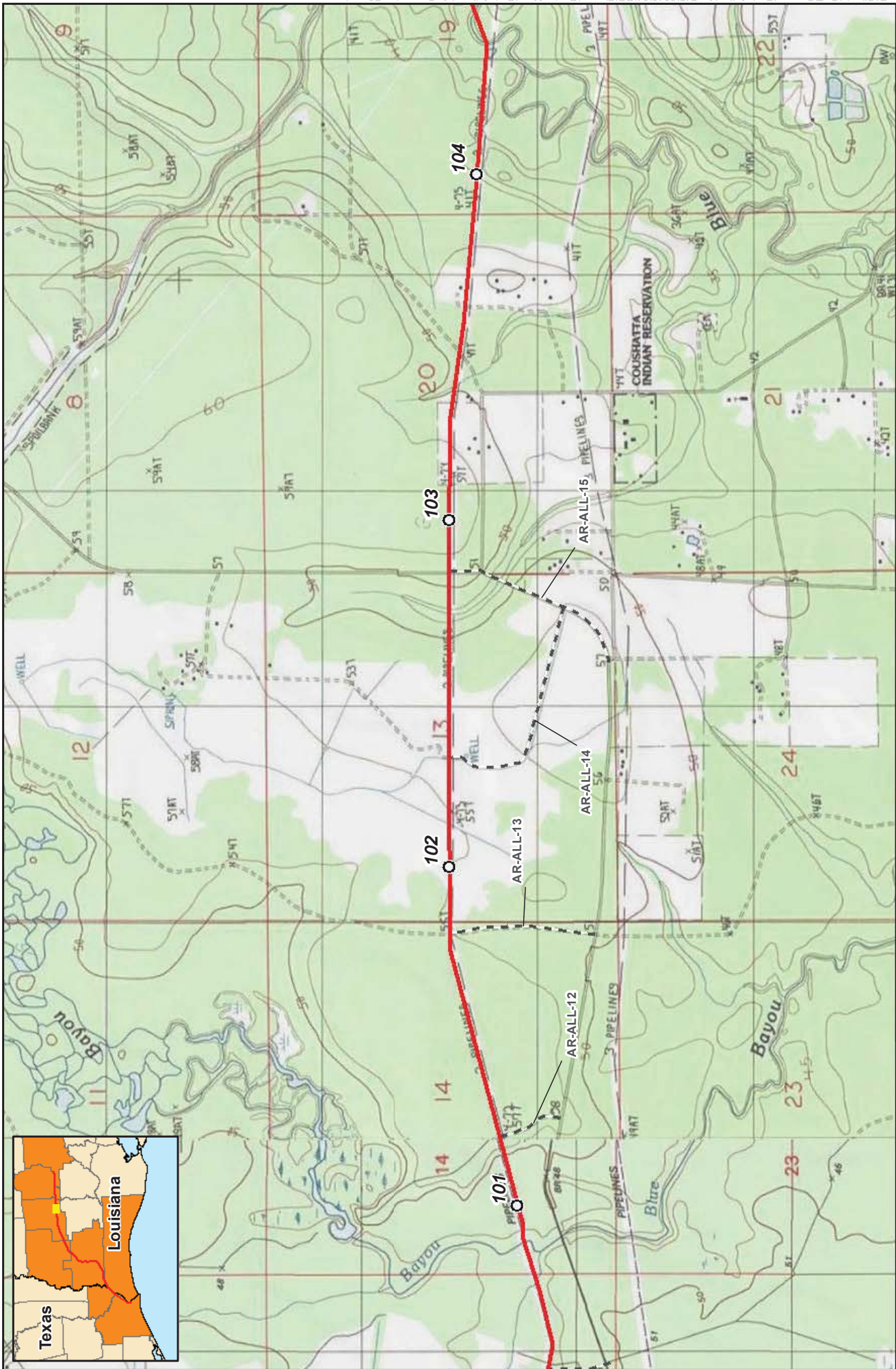
Appendix B-3 Louisiana Connector Project Route Map Allen Parish, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Meter Station
- County Boundary



Appendix B-3 Louisiana Connector Project Route Map Allen Parish, Louisiana

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

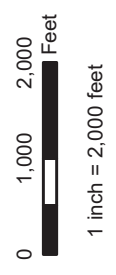


Appendix B-3

Louisiana Connector Project

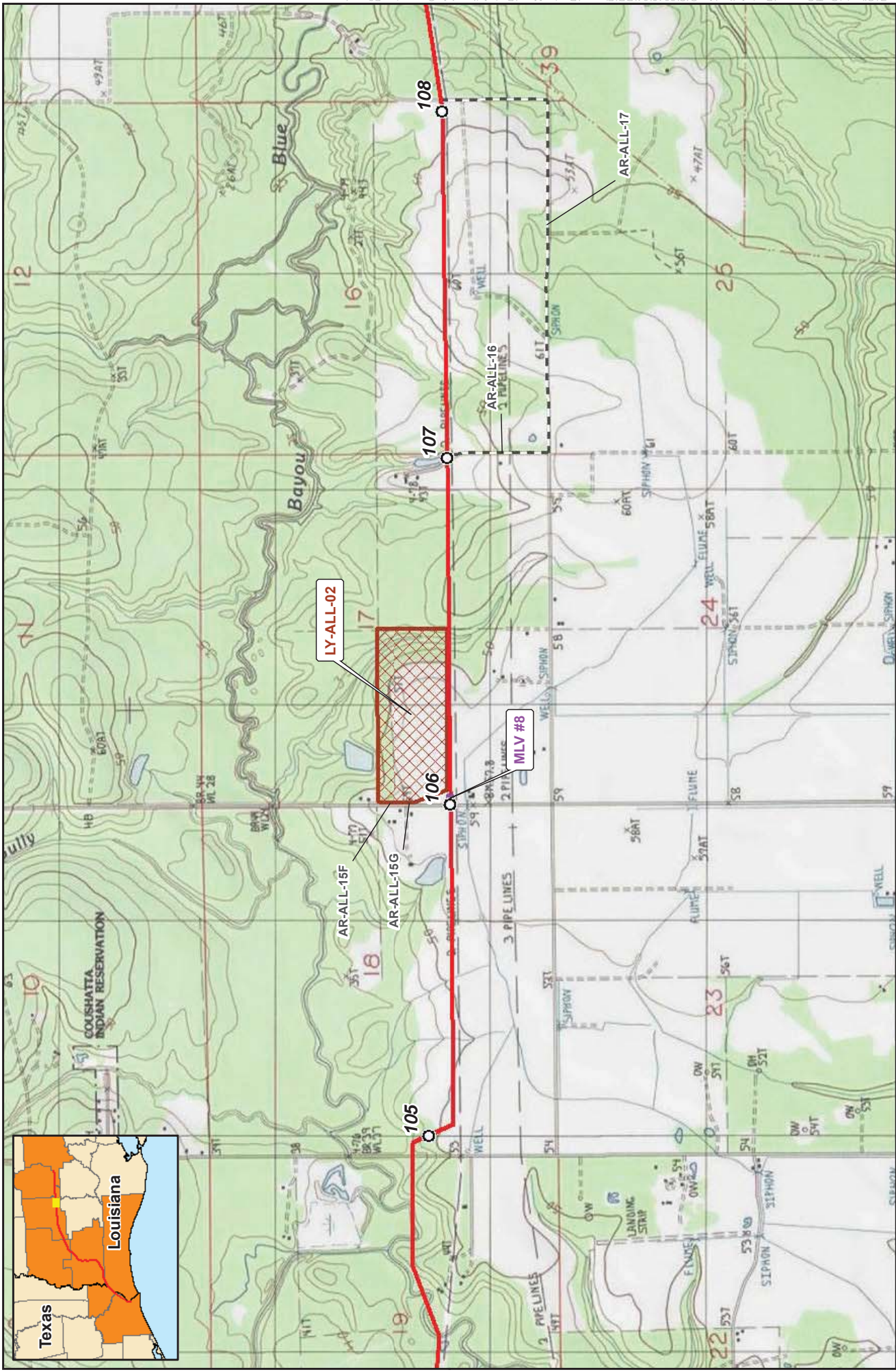
Route Map

Allen Parish, Louisiana



For Environmental Review Purposes Only

- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



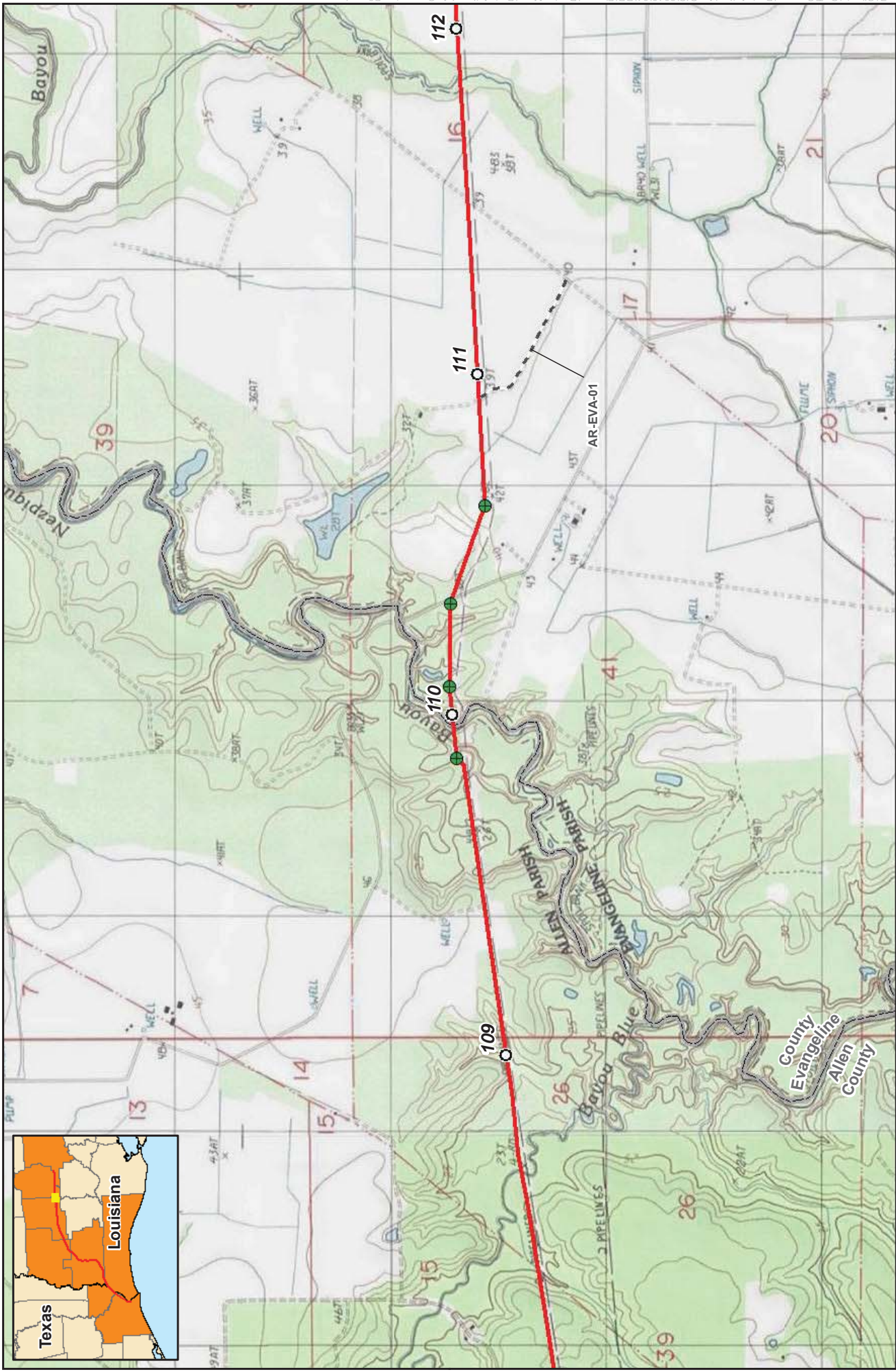
Appendix B-3 Louisiana Connector Project Route Map Allen Parish, Louisiana

0 1,000 2,000 Feet
1 inch = 2,000 feet

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For Environmental Review Purposes Only

○	Milepost	□	Proposed Valve
⊕	Proposed HDD Entry/Exit	▨	Proposed Compressor Station
—	Proposed Pipeline	▩	Proposed Contractor Yard
—	Proposed Lateral	□	Proposed Meter Station
- - -	Proposed Access Road	□	County Boundary



Appendix B-3

Louisiana Connector Project

Route Map

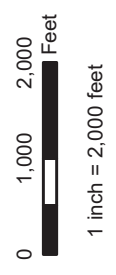
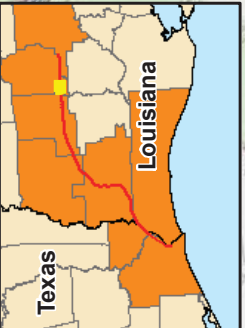
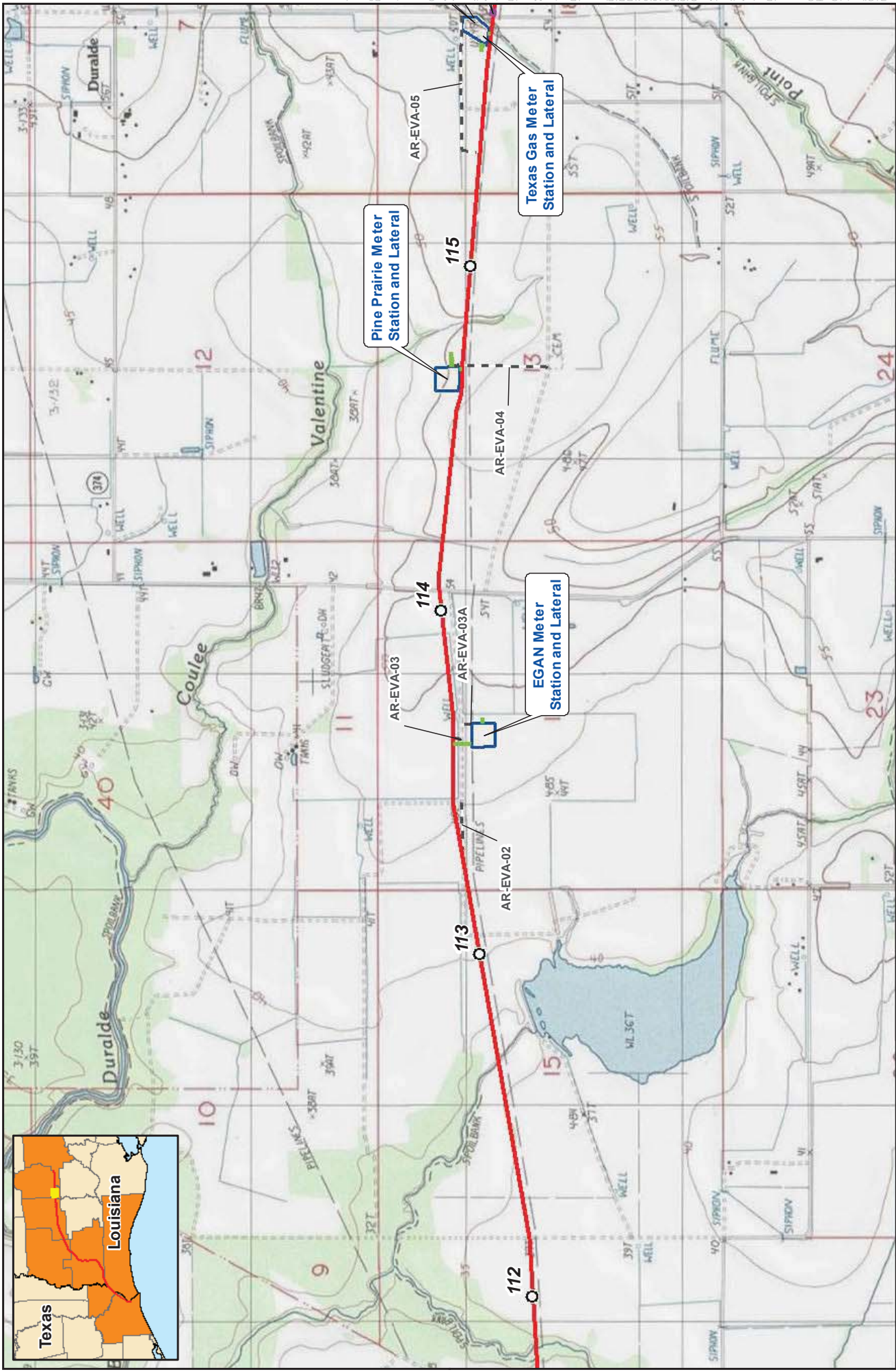
Allen and Evangeline Parishes, Louisiana

0 1,000 2,000 Feet

1 inch = 2,000 feet

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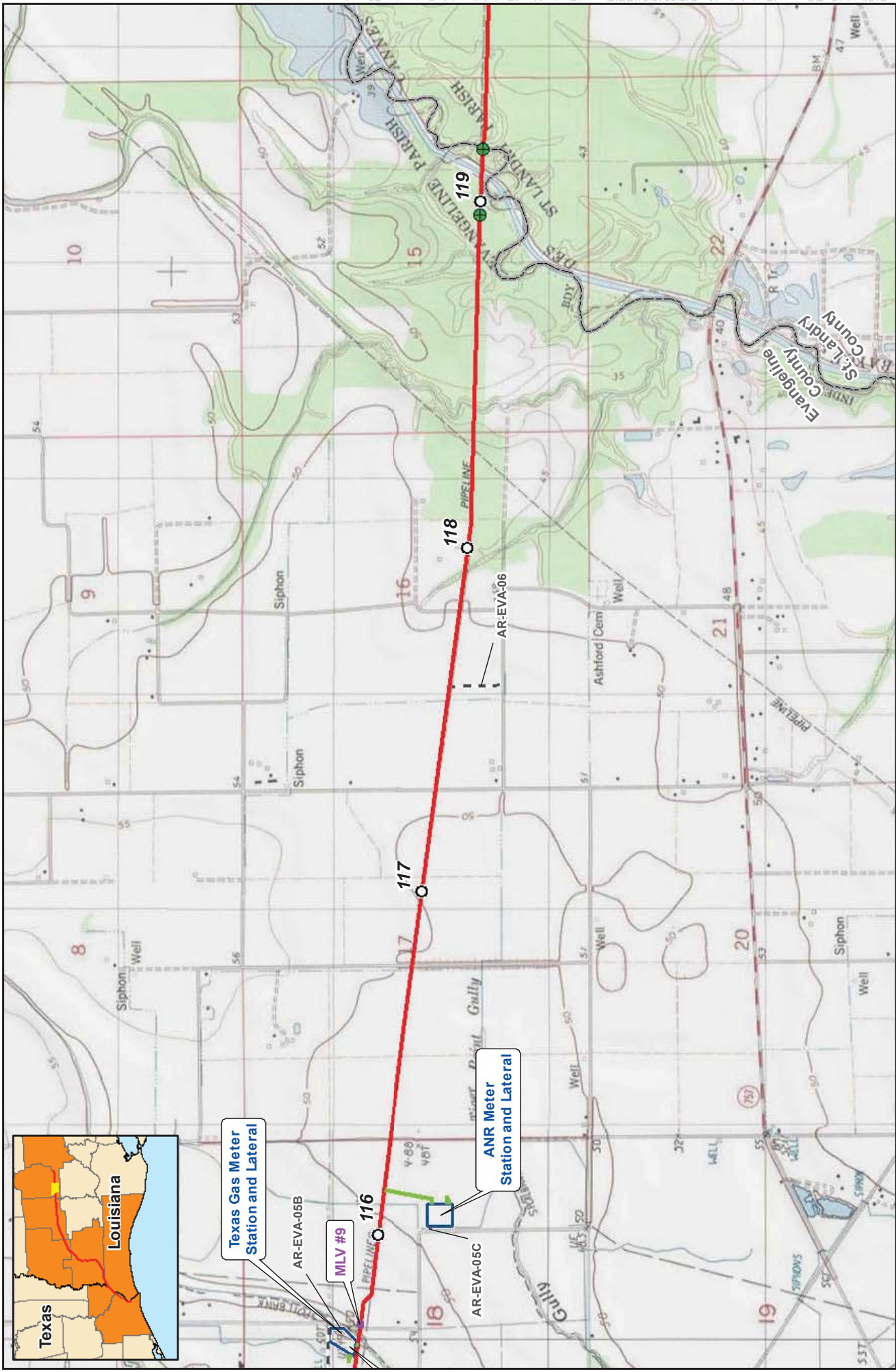
	Milepost		Proposed Valve
	Proposed HDD Entry/Exit		Proposed Compressor Station
	Proposed Pipeline		Proposed Contractor Yard
	Proposed Lateral		Proposed Meter Station
	Proposed Access Road		County Boundary



Appendix B-3

Louisiana Connector Project Route Map Evangeline Parish, Louisiana

- Proposed Valve
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary
- Milepost

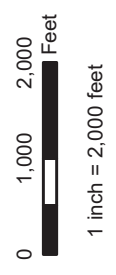


Appendix B-3

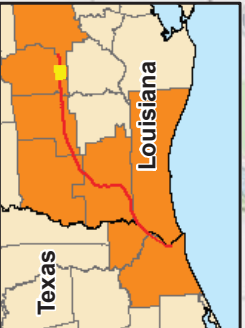
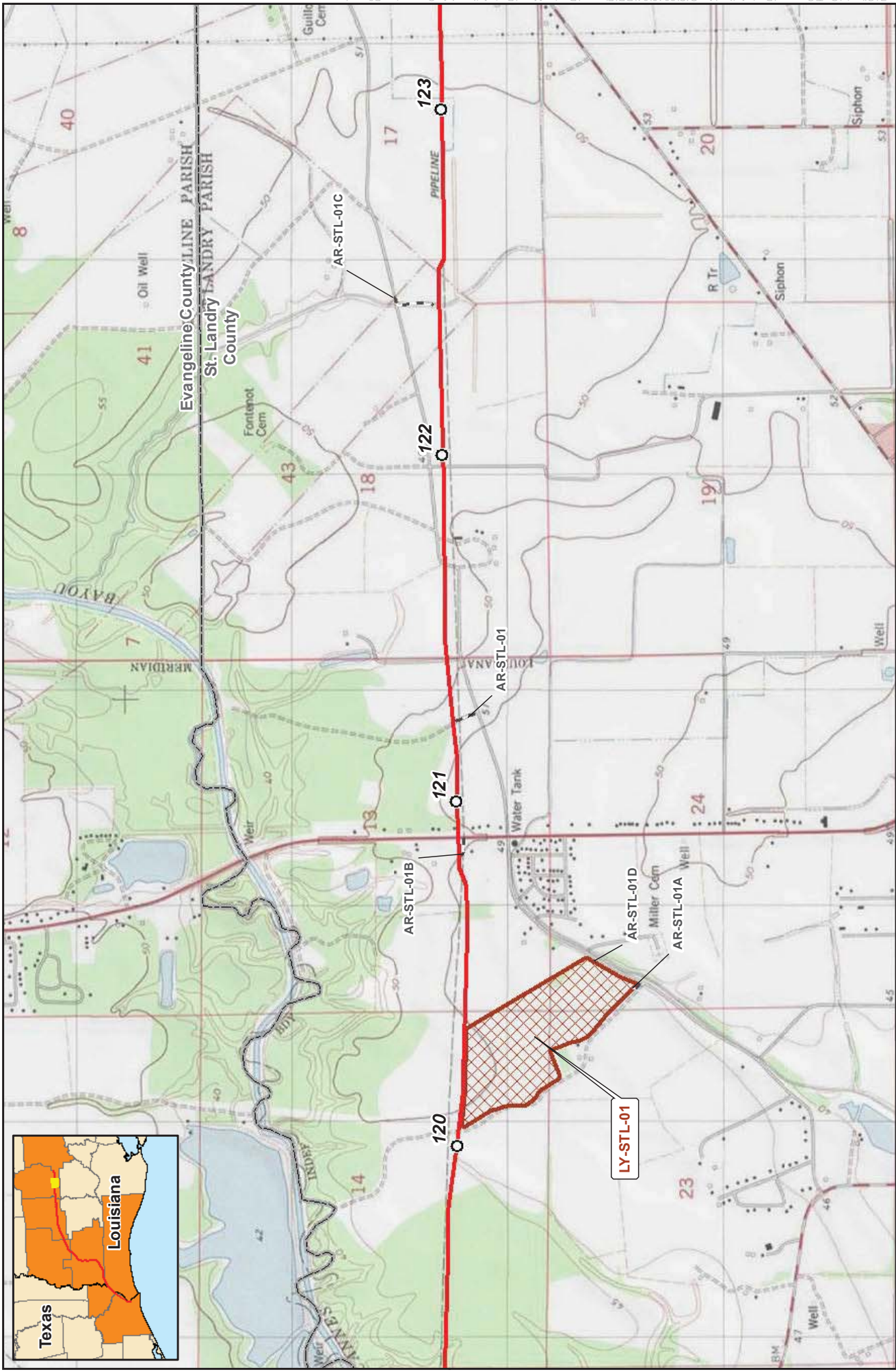
Louisiana Connector Project

Route Map

Evangeline Parish, Louisiana



- Milepost
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Valve
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary



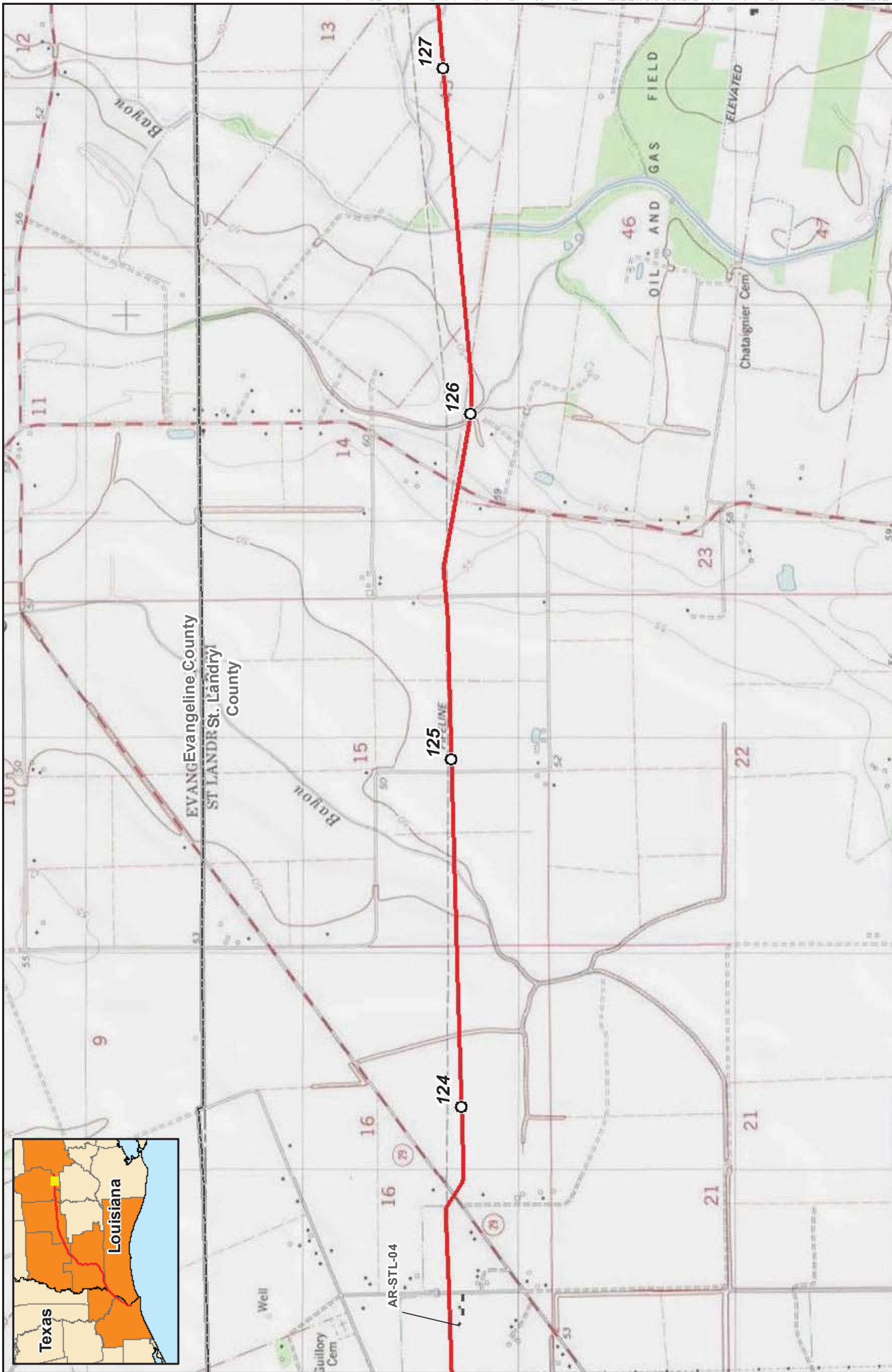
- Proposed Valve
- Proposed HDD Entry/Exit
- Proposed Pipeline
- Proposed Lateral
- Proposed Access Road
- Proposed Compressor Station
- Proposed Contractor Yard
- Proposed Meter Station
- County Boundary

Appendix B-3

Louisiana Connector Project Route Map St. Landry Parish, Louisiana



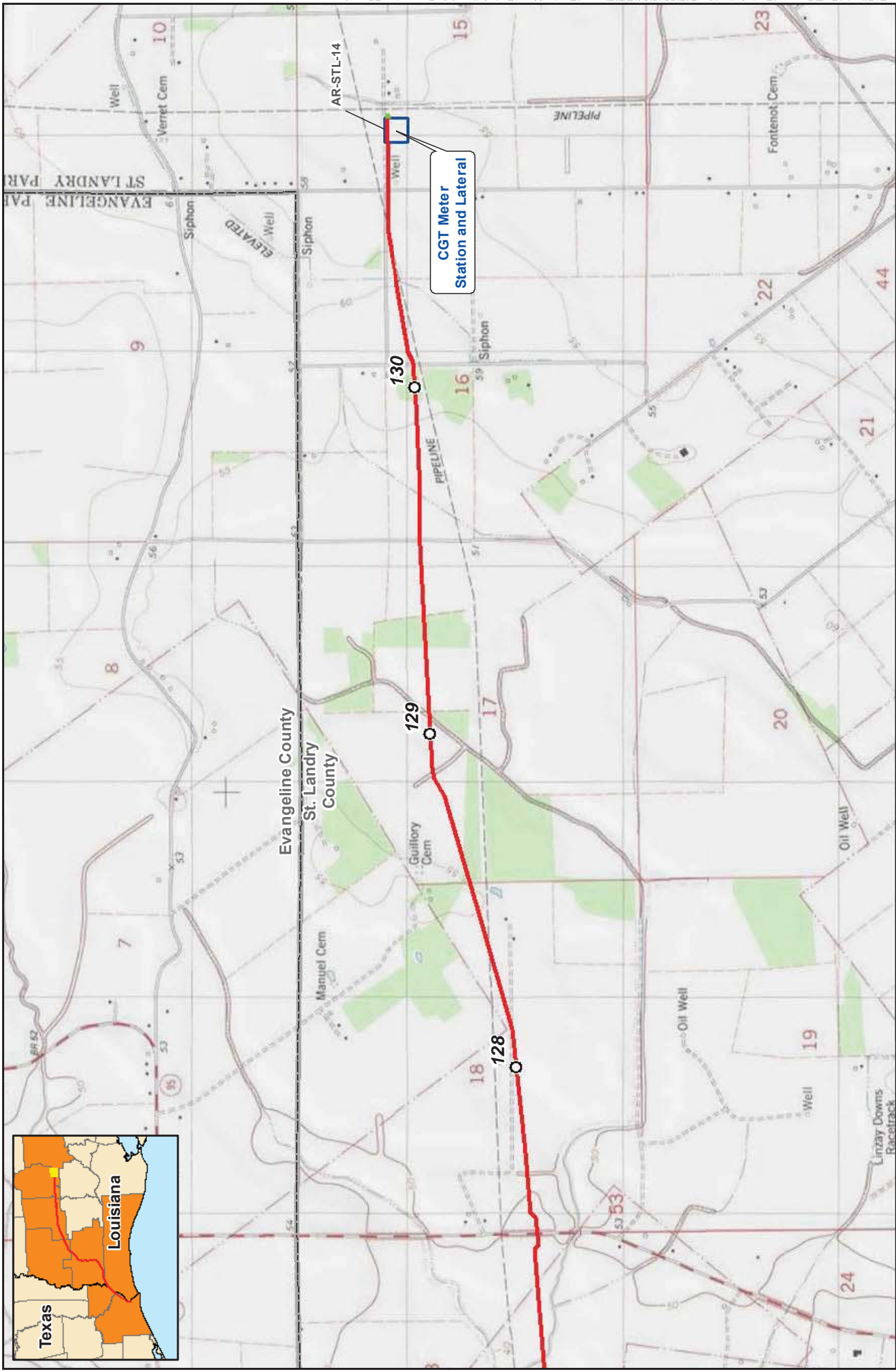
0 1,000 2,000 Feet
1 inch = 2,000 feet



Appendix B-3
Louisiana Connector Project
Route Map
St. Landry Parish, Louisiana



0 1,000 2,000 Feet
 1 inch = 2,000 feet



Appendix B-3

Louisiana Connector Project

Route Map

St. Landry Parish, Louisiana

0 1,000 2,000 Feet

1 inch = 2,000 feet

For Environmental Review Purposes Only

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	Milepost		Proposed Valve
	Proposed HDD Entry/Exit		Proposed Compressor Station
	Proposed Pipeline		Proposed Contractor Yard
	Proposed Lateral		Proposed Meter Station
	Proposed Access Road		County Boundary

APPENDIX C

PIPELINE CONSTRUCTION RIGHT-OF-WAY WIDTHS FOR THE TEXAS CONNECTOR PROJECT

APPENDIX C

Pipeline Construction Right-of-Way Widths for the Texas Connector Project

Pipeline Milepost Range	Proposed Construction Right-of-way Width	Conditions or Construction Method
Northern Pipeline		
0.0 – 1.5	125 feet	Saturated wetlands
1.5 – 2.4	0 feet	HDD crossing
2.4 – 4.1	125 feet	Saturated wetlands
4.1 – 6.2	0 feet	HDD crossing
6.2 – 8.3	125 feet	Saturated wetlands
8.3 – 8.9	0 feet	HDD crossing
8.9 – 10.0	125 feet	Saturated wetlands
10.0 – 10.9	0 feet	HDD crossing
10.9 – 11.6	125 feet	Saturated wetlands
11.6 – 12.2	0 feet	HDD crossing
12.2 – 12.4	100 feet	Non-saturated wetlands
12.4 – 12.7	125 feet	Upland
12.7 – 12.8	100 feet	Non-saturated wetlands
12.7 – 13.0	125 feet	Upland
13.0 – 13.2	0 feet	HDD crossing
13.2 – 14.2	125 feet	Upland and non-saturated wetlands
14.2 – 14.4	0 feet	HDD crossing
14.4 – 15.9	125 feet	Upland and non-saturated wetlands
15.9 – 16.7	100 feet	Upland and non-saturated wetlands
16.7 – 16.7	125 feet	Upland
16.7 – 16.9	100 feet	Upland and non-saturated wetlands
16.9 – 17.2	125 feet	Upland and non-saturated wetlands
17.2 – 17.3	100 feet	Upland and non-saturated wetlands
17.3 – 17.6	125 feet	Upland and non-saturated wetlands
17.6 – 18.1	0 feet	HDD crossing
18.1 – 18.2	125 feet	Upland and non-saturated wetlands
18.2 – 18.5	0 feet	HDD crossing
18.5 – 18.6	125 feet	Upland and non-saturated wetlands
18.6 – 18.9	0 feet	HDD crossing
18.9 – 19.1	125 feet	Upland and non-saturated wetlands
19.1 – 19.3	100 feet	Upland and non-saturated wetlands
19.3 – 19.4	125 feet	Upland and non-saturated wetlands
19.4 – 19.5	100 feet	Upland and non-saturated wetlands
19.5 – 19.6	125 feet	Upland and non-saturated wetlands
19.6 – 20.2	0 feet	HDD crossing
20.2 – 20.3	125 feet	Upland and non-saturated wetlands
20.3 – 20.7	0 feet	HDD crossing
20.7 – 20.8	125 feet	Upland and non-saturated wetlands
20.8 – 21.3	100 feet	Upland and non-saturated wetlands
21.3 – 21.5	125 feet	Upland and non-saturated wetlands
21.5 – 21.5	100 feet	Upland and non-saturated wetlands
21.5 – 21.6	125 feet	Upland and non-saturated wetlands
21.6 – 22.4	0 feet	HDD crossing
22.4 – 22.5	125 feet	Upland
22.5 – 22.6	100 feet	Upland and non-saturated wetlands
22.6 – 22.9	125 feet	Upland and non-saturated wetlands
22.9 – 22.9	100 feet	Upland and non-saturated wetlands
22.9 – 23.7	0 feet	HDD crossing

APPENDIX C (cont'd)

Pipeline Construction Right-of-Way Widths for the Texas Connector Project

Pipeline Milepost Range	Proposed Construction Right-of-way Width	Conditions or Construction Method
23.7 – 24.4	125 feet	Upland and saturated wetlands
24.4 – 24.4	100 feet	Upland and non-saturated wetlands
24.4 – 24.5	125 feet	Upland
24.5 – 24.5	100 feet	Upland and non-saturated wetlands
24.5 – 24.6	125 feet	Upland and non-saturated wetlands
24.6 – 25.2	0 feet	HDD crossing
25.2 – 26.6	125 feet	Upland
Southern Pipeline		
0.0 – 0.1	125 feet	Upland and saturated wetlands
0.1 – 1.0	0 feet	HDD crossing
1.0 – 2.2	125 feet	Upland and saturated wetlands
2.2 – 2.5	0 feet	HDD crossing
2.5 – 2.9	125 feet	Saturated wetlands
2.9 – 3.7	0 feet	HDD crossing
3.7 – 6.2	125 feet	Upland and saturated wetlands
7.0 – 7.2	125 feet	Upland
7.5 – 7.6	125 feet	Saturated wetlands
NGPL Lateral		
0.0 – 0.1	125 feet	Upland and saturated wetlands
KMLP Lateral		
0.0 – 0.2	125 feet	Saturated wetlands
GTS Lateral		
0.0 – 0.2	125 feet	Upland
0.2 – 0.5	100 feet	Upland and non-saturated wetlands
0.5 – 0.5	125 feet	Upland and non-saturated wetlands
0.5 – 0.8	0 feet	HDD crossing
0.8 – 0.8	125 feet	Upland
0.8 – 1.1	0 feet	HDD crossing
1.1 – 1.3	125 feet	Upland
HPL Lateral		
0.0 – 0.1	125 feet	Upland
TETCO Lateral		
0.0 – 0.1	125 feet	Upland
FGT Lateral		
0.0 – 0.3	125 feet	Upland and non-saturated wetland
0.3 – 0.3	0 feet	HDD crossing
0.3 – 0.3	125 feet	Upland
0.3 – 0.3	75 feet	Upland (avoids electric transmission pole)
0.3 – 0.5	125 feet	Upland
0.5 – 0.6	100 feet	Upland and non-saturated wetland
0.6 – 0.7	125 feet	Upland
0.7 – 0.8	100 feet	Upland and non-saturated wetland
0.8 – 0.9	125 feet	Upland and non-saturated wetland
0.9 – 1.2	0 feet	HDD crossing
1.2 – 1.3	125 feet	Upland and non-saturated wetland
1.3 – 1.4	100 feet	Upland and non-saturated wetland
1.4 – 1.7	125 feet	Upland
1.7 – 1.8	0 feet	HDD crossing
1.8 – 1.8	125 feet	Upland

APPENDIX D

ADDITIONAL TEMPORARY WORKSPACE FOR THE TEXAS CONNECTOR AND LOUISIANA CONNECTOR PROJECTS

ADDITIONAL TEMPORARY WORKSPACE FOR
THE TEXAS CONNECTOR PROJECT

APPENDIX D-1

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
Northern Pipeline						
28290	1.5	3.2	Intracoastal Waterway	Y	Y	<p>Pull String</p> <p>Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28211	1.5	5.9	Intracoastal Waterway	Y	Y	<p>Pull String</p> <p>Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28203	1.5	0.4	Intracoastal Waterway	Y	Y	<p>Water Access</p> <p>Necessary to tie-in pipeline at a point of intersection (PI), after a long HDD across Intracoastal Waterway; additional spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28198	1.5	0.8	Intracoastal Waterway	Y	Y	<p>HDD Exit</p> <p>Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28202	1.6	0.4	Intracoastal Waterway	Y	Y	<p>Water Access</p> <p>Necessary to tie-in pipeline at a PI, after a long HDD across Intracoastal Waterway; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28204	2.6	0.3	Taylor Bayou	Y	Y	<p>Water Access</p> <p>Necessary to tie-in pipeline at a PI, after a long HDD across Taylor Bayou; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28199	2.7	1.8	Taylor Bayou	Y	Y	HDD Entry/Push Section Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for push: staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28244	4.1	0.7	Big Hill Reservoir	Y	Y	Water Access Necessary to tie-in pipeline at a PI, after a long HDD across Taylor Bayou; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28243	4.1	0.8	Big Hill Reservoir	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28200	5.2	2.0	Big Hill Reservoir	Y	Y	HDD Entry/Exit Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28205	5.2	0.7	Big Hill Reservoir	Y	Y	Water Access Necessary to tie-in pipeline at a PI, after a long HDD across JD Murphee and Big Hill Bayou; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28206	5.2	0.6	Big Hill Reservoir	Y	Y	HDD Entry/Exit Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28209	5.3	1.1	Big Hill Reservoir	Y	Y	HDD Entry/Exit Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28236	6.2	0.2	Unnamed stream	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28208	6.2	0.5	Unnamed stream	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28286	7.7	2.8	Unnamed road	Y	Y	Push Section Additional staging area and equipment needs includes staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28155	7.8	0.2		Y	Y	Road

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
			Unnamed wetland			Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Wetland impacts required due to the road located on the North side of the pipeline. Moving the ATWS to the South side would not assist with the road crossing and is restricted by foreign pipelines and valve sites.
28201	7.9	0.1	Unnamed road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28241	8.2	0.2	State Hwy 73	Y	Y	PI/Pull String Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. ATWS is required on this portion due to the many construction activities taking place in the area. Shifting this ATWS to any other workable configuration would not reduce the wetland impacts.
28156	8.2	3.9	State Hwy 73	Y	Y	PI/Pull String Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The wetland impacts here are unavoidable since the pull-string must be adjacent to the other pipeline ATWS.
28289	8.3	1.9	State Hwy 73	Y	Y	HDD Exit/Access Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. Maintain through access for equipment and personnel. The HDD pad in this area was placed so that it would have the least impact on surrounding wetlands. The surrounding wetlands were unavoidable in the area.
28165	8.9	0.6	Unnamed road	Y	Y	HDD Entry/Push Section Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for push: staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28157	8.9	2.8	Unnamed road	Y	Y	HDD Entry/Push Section Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for push: staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28291	9.6	0.5	Unnamed wetland	Y	Y	Staging Area Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28166	10.0	0.8	Unnamed stream	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28440	10.9	0.4	Unnamed wetland	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. A large canal to the south, a wetland area to the west, and the location of the HDD restricts the workspace to be placed in this area.
28441	10.9	0.2	Unnamed wetland	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. A large canal to the south, a wetland area to the west, and the location of the HDD restricts the workspace to be placed in this area.
28294	11.3	0.3	Unnamed pond	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28158	11.6	0.7	Unnamed road	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD in the area and a valve site for foreign pipelines restricts the HDD pad to be placed over the wetlands in the area.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28268	12.2	0.8	Unnamed canal/ditch	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28328	12.4	0.1	Unnamed canal/ditch	Y	Y	Canal/Road Additional staging area and equipment needs for water crossing. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28319	12.4	0.3	Unnamed canal/ditch	Y	Y	Canal/Road Additional staging area and equipment needs for water crossing. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28164	12.5	0.3	Unnamed stream	N	N	Canal/Road Additional staging area and equipment needs for water crossing. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28242	12.6	1.9	Unnamed canal/ditch	Y	Y	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The area of the location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
28320	12.6	1.2	Unnamed canal/ditch	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28329	12.7	0.2	Unnamed canal/ditch	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
31641	13.0	0.8	Unnamed road	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
31644	13.3	0.8	Unnamed stream	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28210	13.6	0.2	Unnamed road	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
28167	13.7	0.2	Unnamed road	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
28161	14.2	0.8	Gallier Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28162	14.4	0.8	Gallier Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28169	14.5	0.2	Gallier Canal	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28168	14.5	0.2	Gallier Canal	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28171	14.9	1.1	Unnamed canal	Y	Y	Road/Foreign Pipeline/PI Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and canals in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.
28172	15.0	0.1	Unnamed canal	N	N	Canal Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28173	15.1	0.2	Unnamed canal	N	N	Canal Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28174	15.2	0.3	Knauth Road	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
28170	15.3	0.1	Knauth Road	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28177	15.3	0.1	Knauth Road	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28178	15.4	0.2	Unnamed canal/ditch	N	N	Canal Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28179	15.4	0.2	Unnamed canal/ditch	N	N	Canal Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28238	15.6	0.1	Hebert Rd	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28237	15.6	0.1	Hebert Rd	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28175	15.7	0.1	Hebert Rd	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28176	15.7	0.1	Hebert Rd	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28269	16.2	0.3	Unnamed wetland	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28270	16.4	0.3	Unnamed wetland	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28181	16.6	0.2	Unnamed wetland	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28182	16.7	0.3	Unnamed wetland	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign line crossing and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28330	16.9	0.2	Unnamed stream	Y	Y	Canal/Foreign Pipeline Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28321	16.9	0.5	Unnamed stream	Y	Y	Canal/Foreign Pipeline Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28180	16.9	0.4	Unnamed stream	N	Y	Canal/FPL Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28184	17.1	0.1	Hebert Road	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28183	17.2	0.3	Hebert Road	N	N	Road/Foreign Pipeline Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28331	17.2	0.1	Unnamed road	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign line crossing and wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
28196	17.3	0.3	Unnamed road	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28187	17.3	0.1		N	N	Road

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
			Unnamed road			Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28186	17.3	0.2	Unnamed road	N	N	Road
						Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28193	17.5	0.3	State Spur 93	N	N	PI
						Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
28188	17.5	0.8	Unnamed road	N	N	HDD Entry
						Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28262	18.1	0.3	Johns Gully	Y	Y	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28263	18.1	1.0	Johns Gully	Y	Y	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28257	18.1	2.0	Johns Gully	Y	Y	HDD Exit/Pull String
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. Additional staging area and equipment needs includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28264	18.2	0.3	Johns Gully	Y	Y	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28261	18.2	3.5	Johns Gully	Y	Y	<p>Pull String</p> <p>Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The wetland impacts here are unavoidable since the pull-string must be adjacent to the other pipeline ATWS.</p>
28260	18.5	1.9	Johns Gully	Y	Y	<p>HDD Entry/Exit</p> <p>Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDDs and the foreign pipeline restricts the location of the ATWS. Therefore, the wetlands in this area are unavoidable.</p>
28190	19.0	1.0	Unnamed wetland	N	Y	<p>HDD Entry</p> <p>Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.</p>
28323	19.1	0.3	Unnamed wetland	Y	Y	<p>PI</p> <p>Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and the multitude of wetlands in the surrounding area restrict the placement of this ATWS pad. Therefore, the wetland is unavoidable.</p>
28194	19.4	0.2	Unnamed canal/ditch	Y	Y	<p>Canal</p> <p>Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28185	19.4	2.6	Unnamed canal/ditch	Y	Y	<p>Pull String</p> <p>Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>
28195	19.4	0.3	Unnamed canal/ditch	Y	Y	<p>Canal/PI</p> <p>Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28191	19.6	0.3	Unnamed stream	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28192	19.6	0.5	Unnamed stream	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28189	20.2	1.0	US Hwy 287	N	N	HDD Entry/Exit Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28197	20.2	0.4	US Hwy 287	N	Y	HDD Entry/Exit Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for HDD exit: aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28251	20.8	1.5	State Hwy 347	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28252	20.9	0.4	State Hwy 347	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
28249	21.3	0.5	Neches River	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This and the construction conditions due to the industrial area makes wetland impacts unavoidable by any ATWS configuration in this location.
28325	21.4	1.7	Neches River	N	Y	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to land/owner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28250	21.6	0.2	Neches River	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28276	21.6	0.6	Neches River	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD in the area restrict the placement of the ATWS and make the wetland impact unavoidable.
28253	22.4	0.6	Neches River	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28254	22.4	0.2	Neches River	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28346	22.5	0.4	Neches River	Y	Y	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to land/owner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions. The entire surrounding area is wetlands. This and the construction conditions make wetland impacts unavoidable by any ATWS configuration in this location.
28258	22.8	3.8	Neches River	Y	Y	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the pipestring restrict the placement of this ATWS pad and makes wetland impacts unavoidable for this pull string.
28259	22.9	1.7	Neches River	N	Y	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
28347	22.9	0.1	Neches River	Y	Y	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to land/owner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28255	23.0	0.5	Neches River	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28256	23.0	0.2	Neches River	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28207	23.7	1.8	Unnamed swamp	Y	Y	HDD Entry/Push Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for push: staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28337	24.4	0.2	Unnamed wetland	Y	Y	Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28313	24.6	0.8	Unnamed stream	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28217	25.2	0.8	Pipeline corridor	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28221	25.6	0.1	Anderson Gully	N	N	Bore Existing Utility Line Additional staging area and equipment needed for boring construction method include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28231	25.7	0.4	Church House Rd	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
28232	26.0	0.4	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
31242	26.1	<0.1	Avoid Cemetery	N	N	Construction Conditions Additional staging area and equipment needs. Temporary workspace is necked down due to land/owner constraints; therefore, ATWS was added to compensate for restricted existing conditions.
31243	26.2	<0.1	Avoid Cemetery	N	N	Construction Conditions Additional staging area and equipment needs. Temporary workspace is necked down due to land/owner constraints; therefore, ATWS was added to compensate for restricted existing conditions.
28230	26.4	0.1	S Mansfield Ferry Rd	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28234	26.4	0.1	S Mansfield Ferry Rd	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area.
Southern Pipeline						
28318 ^a	0.0	0.9	Unnamed canal/ditch	Y	Y	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28308 ^a	0.1	<0.1	Unnamed canal/ditch	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28307 ^a	0.1	<0.1		Y	Y	PI

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
			Unnamed canal/ditch			Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28306 ^a	1.0	<0.1	Unnamed canal/ditch	Y	Y	PI/HDD Entry Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for HDD. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28305 ^a	1.0	<0.1	Unnamed canal/ditch	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28304 ^a	1.7	0.0	Port Arthur Canal	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28311 ^a	2.1	0.0	Port Arthur Canal	Y	Y	Southern Pipeline Staging Additional spoil storage, timber mat storage, assembly of pipeline segment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28301 ^a	2.2	0.1	Port Arthur Canal	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28302 ^a	2.2	0.0	Port Arthur Canal	Y	Y	Southern Pipeline Staging Additional spoil storage, timber mat storage, assembly of pipeline segment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28842	2.6	0.4		Y	Y	HDD Exit

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
			Port Arthur Canal			Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28843	2.6	0.1	Port Arthur Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28248	2.6	1.8	Port Arthur Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28246	2.9	0.4	Port Arthur Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28245	2.9	0.0	Port Arthur Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28284	3.8	2.8	State Hwy 87	Y	Y	HDD Exit/ Push Section Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. Area needs also include staging the bore machine for the push construction, backhoe machine(s), and pipe material staging. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28278	5.0	0.2	Unnamed canal/ditch	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28281	5.0	0.1	Unnamed canal/ditch	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28277	6.0	0.8	Sabine Pass	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28443	7.0	0.1	Sabine Pass	N	N	HDD Entry/Pull String Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for pull string: includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
29240	7.0	0.5	Sabine Pass	N	N	HDD Entry/Pull String Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for pull string: includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
28442	7.1	1.2	Sabine Pass	N	N	HDD Entry/Pull String Additional staging area and equipment needs for HDD entry: worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for pull string: includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
28215	7.1	0.7	Sabine Pass	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28214	7.5	0.8	Unnamed stream	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
GTS/CIPCO Lateral						
28216	0.1	0.1	NA	N	N	PI

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
						Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
28271	0.2	0.3	Unnamed Wetland	N	Y	Pull String
						Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
28333	0.5	1.6	Amco Road	Y	Y	Pull String
						Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28213	0.5	0.8	Amco Road	Y	Y	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
28222	0.8	0.8	Amco Road	N	N	HDD Entry
						Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28226	0.8	0.2	Amco Road	N	N	HDD Entry
						Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28223	1.1	0.2	Unnamed lake	N	N	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28224	1.1	0.5	Unnamed lake	N	N	HDD Exit
						Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28225	1.1	1.7	Unnamed lake	N	N	Pull String
						Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.
28218	1.2	0.2	Unnamed lake	N	N	PI
						Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28275	1.3	0.2	Unnamed lake	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
HPL Lateral						
28220	1.0	0.3	Anderson Gully	Y	Y	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the pipestring restrict the placement of the ATWS and makes the wetland impact unavoidable.
TETCO Lateral						
28233	0.0	0.1	S Mansfield Ferry Rd	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area.
FGT Lateral						
28228	0.3	0.1	State Road 105	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
28340	0.6	0.2	Unnamed wetland	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipelines that are crossed in the area restricts the area of the ATWS in this location which makes the wetland impacts unavoidable.
28339	0.6	0.1	Unnamed wetland	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipelines that are crossed in the area restricts the area of the ATWS in this location which makes the wetland impacts unavoidable.
28341	0.6	0.2	Unnamed wetland	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
28342	0.6	0.2	Unnamed wetland	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28343	0.7	0.0	Unnamed wetland	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipelines that are crossed in the area restricts the area of the ATWS in this location which makes the wetland impacts unavoidable.
28315	0.8	0.2	Unnamed stream	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and foreign pipelines in the area restrict the location of the ATWS and make the wetland impacts unavoidable.
28266	0.8	0.5	Unnamed stream	N	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
28239	1.2	0.1	Unnamed stream	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
32047	1.2	0.1	Unnamed stream	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
32054	1.2	0.1	Unnamed stream	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28265	1.3	0.4	Unnamed stream	N	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28314	1.3	0.1	Unnamed stream	N	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
28235	1.6	0.3	Unnamed stream	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-1 (cont'd)

Additional Temporary Workspace for the Texas Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
28227	1.8	0.1	State Road 105	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area.
28229	1.8	0.1	State Road 105	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area.
NGPL Lateral						
28240	0.1	0.4	State Hwy 87	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
28219	0.1	0.2	State Hwy 87	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
KMLP Lateral						
28267	0.1	0.5	Unnamed stream	Y	Y	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
<p>^a ATWS is partially or completely within the Liquefaction Facility boundary, so affected acreage only represents ATWS occurring outside the facility boundary.</p>						

**ADDITIONAL TEMPORARY WORKSPACE FOR
THE LOUISIANA CONNECTOR PROJECT**

APPENDIX D-2

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-JEF-001	0.0	0.1	Hwy 87/Pt Arthur Canal/Levee Rd	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment and parking. Pipeline initiation point is surrounded by wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-JEF-002	0.0	<0.1	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-JEF-003	0.1	<0.1	NA	N	N	Centana Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area.
ATWS-JEF-006	1.0	24.8	NA	N	N	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area.
ATWS-CAM-003	18.0	0.2	AR-CAM-01	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-004	18.1	0.2	AR-CAM-01	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-005	18.1	<0.1	Sabine Lake	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-006	18.1	0.9	Sabine Lake	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAM-011	19.1	0.4	AR-CAM-01A	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, material staging, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-012	19.2	0.7	East Pass	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-013	19.6	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-014	20.4	0.3	AR-CAM-02	Y	Y	Access Road to Workspace Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-015	20.4	0.2	AR-CAM-02	Y	Y	Access Road to Workspace Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-016	20.4	0.2	AR-CAM-02	Y	Y	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-018	20.5	0.2	AR-CAM-02	Y	Y	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAM-020	20.8	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-023	21.9	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-024	22.2	0.1	Targa (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-025	22.2	0.1	Targa (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-026	22.3	0.1	Targa (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-027	22.3	0.1	Targa (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-029	22.6	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-030	23.5	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAM-031	24.2	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-032	24.9	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-033	25.7	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. Location is critical to allowing vehicles and equipment to turn around or pass on the working side of the ROW near the access road. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAM-034	25.7	0.9	NA	N	N	Access Road to Workspace Work Area Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAM-037	26.1	0.4	AR-CAM-03B	Y	Y	Access Road to Workspace Work Area Additional staging area and equipment needs including parking and equipment turn-around area. Location was selected in an existing, cleared ROW and existing access route from the Intercoastal Waterway to avoid vegetation clearing. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAM-039	26.2	0.4	NA	Y	Y	Point of Intersection (PI) Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. This location will also be used to stage material and equipment for the push/pull installation method. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-001	26.4	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-002	26.4	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-004	26.5	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-006	26.5	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAM-041	26.5	0.7	Foreign Pipelines	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAM-042	26.7	0.2	AR-CAM-03C	Y	Y	Access Road Turnaround Additional staging area and equipment needs including parking and equipment turn-around area as well as material staging to construct the access road to the West. Site was selected to utilize existing raised berm and road. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-007	26.9	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-008	27.0	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-010	27.2	0.5	Foreign Pipelines	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-011	27.2	0.5	Foreign Pipelines	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-013	27.4	0.4	Intracoastal Waterway	Y	Y	HDD Entry Additional staging area and equipment needs for HDD entry and at end of access road. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-014	27.5	0.5	Intracoastal Waterway	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-015	27.5	<0.1	Intracoastal Waterway	Y	Y	HDD Entry Additional staging area and equipment needs for HDD entry and at end of access road. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-016	27.5	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-017	27.6	0.2	NA	N	N	Work Area from Water Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-021	28.3	0.2	AR-CAL-01B	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. Location was selected for shortest path between HDD exit and Intercoastal Waterway to reduce vegetation clearing and wetland impacts. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-022	28.3	0.2	AR-CAL-01B	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. Location was selected for shortest path between HDD exit and Intercoastal Waterway to reduce vegetation clearing and wetland impacts. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-023	28.4	0.2	Intracoastal Waterway	Y	Y	HDD Exit/PI Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area, it is unavoidable for the location of the ATWS pad to not impact wetlands.
ATWS-CAL-024	28.4	0.4	Intracoastal Waterway	Y	Y	HDD Exit/PI Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area it is unavoidable for the location of the ATWS pad to not impact wetlands.
ATWS-CAL-025	28.4	0.1	Intracoastal Waterway	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area it is unavoidable for the location of the ATWS pad to not impact wetlands.
ATWS-CAL-026	28.4	7.8	Intracoastal Waterway	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-CAL-027	28.7	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-028	29.5	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-029	30.0	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-031	30.6	0.6	Vinton Drainage Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. Due to the multitude of wetlands in the area it is unavoidable for the location of the ATWS pad to not impact wetlands.
ATWS-CAL-033	30.8	0.6	AR-CAL-02A	Y	Y	Boat Access Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-036	30.8	0.6	AR-CAL-03	Y	Y	Boat Access Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-037	30.9	1.0	Vinton Drainage Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. Additional staging and area for equipment is required for the installation of MLV #2. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-038	31.5	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-039	32.3	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-040	32.9	0.1	NA	N	N	Boat Access Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-041	32.9	0.2	AR-CAL-04	N	Y	Access Road Additional staging area and equipment needs including parking, materials, and equipment turn-around area. Location was selected in an existing, cleared ROW to reduce tree clearing. The additional area is also required to assist stringing trucks going around the 90° turn in access road AR-CAL-04. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAL-043	32.9	0.2	AR-CAL-04	N	Y	Access Road Additional staging area and equipment needs including parking, materials, and equipment turn-around area. Location was selected in an existing, cleared ROW to reduce tree clearing. The additional area is also required to assist stringing trucks going around the 90° turn in access road AR-CAL-04. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAL-044	32.9	0.1	NA	N	N	Boat Access Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-045	32.9	0.1	NA	N	N	Boat Access Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section.
ATWS-CAL-046	33.0	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-047	33.7	0.6	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-048	34.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-050	34.8	0.2	AR-CAL-05	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. This location was selected to utilize existing road and dock to reduce clearing and the need for a new dock. The surrounding area is mostly wetlands. This makes wetland impacts nearly unavoidable by any ATWS configuration in this location.
ATWS-CAL-051	34.8	0.2	AR-CAL-05	Y	Y	Work Area from Water Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. This location was selected to utilize existing road and dock to reduce clearing and the need for a new dock. The surrounding area is mostly wetlands. This makes wetland impacts nearly unavoidable by any ATWS configuration in this location.
ATWS-CAL-052	35.0	0.2	Gum Cove Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road, powerline, and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAL-053	35.1	0.3	Gum Cove Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road, powerline, and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.
ATWS-CAL-054	35.5	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The pad is located outside the wetlands but is surrounded by wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-055	35.8	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, spoil storage, and temporary bypass equipment. The pad is located to abut the road ROW. Moving farther away would reduce the benefit for nearby spoil storage for the road crossing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-056	35.8	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, spoil storage, and temporary bypass equipment. The pad is located to abut the road ROW. Moving farther away would reduce the benefit for nearby spoil storage for the road crossing.
ATWS-CAL-058	36.3	0.6	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-059	36.4	0.7	CAL-WB-014	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-060	36.5	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-061	36.5	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-062	36.6	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-063	36.7	0.1	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-064	36.7	0.1	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-065	36.8	0.5	NA	Y	Y	PI / Turnaround Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-067	36.9	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-068	37.4	0.1	CAL-WB-015	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-069	37.4	0.2	CAL-WB-015	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-071	37.5	0.2	CAL-WB-016	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-073	37.6	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-074	37.7	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-075	38.5	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-076	38.5	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-078	38.6	1.1	Waterbodies	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-079	39.2	0.7	Waterbodies	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and surrounding wetlands restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-081	39.5	0.7	CAL-WB-023	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-082	39.8	0.7	CAL-WB-023	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-083	39.9	0.2	Unnamed Road	Y	Y	Road Open Cut Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location is limited to the north side of the pipeline ROW due to foreign pipelines. Wetlands are all around the proposed ATWS pad. This makes wetland impacts unavoidable.
ATWS-CAL-084	39.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-086	40.2	0.6	Waterbody / Unnamed Road	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD, foreign pipeline to the south, and multiple wetlands in the area restrict the location of the ATWS pad.
ATWS-CAL-089	40.5	0.2	Waterbody / Unnamed Road	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-090	40.6	0.7	Waterbody / Unnamed Road	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-091	40.6	0.1	Charlie Moss Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.
ATWS-CAL-092	40.7	0.2	Charlie Moss Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-093	40.8	0.2	Charlie Moss Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.
ATWS-CAL-094	40.8	0.4	Charlie Moss Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.
ATWS-CAL-095	40.9	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-096	41.0	0.3	Equistar	N	Y	PI Additional staging area and equipment needs for multiple PIs which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PIs, and extra track hoe requirements. ATWS pad is located between foreign pipelines and wetland on the south side of the ROW. The north side of the ROW is restricted by multiple residences making the wetland impact unavoidable.
ATWS-CAL-097	41.1	0.2	Choupique Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. ATWS pad is located between on the north side of the ROW. The south side of the ROW is restricted by foreign pipelines and an existing above grade facility/valve site. Due to this restriction and the multiple wetlands and residences in the area, impacts to the wetland are unavoidable.
ATWS-CAL-098	41.1	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-099	41.2	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-100	41.5	0.1	Unnamed Road	N	Y	Road Open Cut Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.
ATWS-CAL-101	41.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-315	41.7	0.5	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-102	42.0	0.7	Choupique Bayou	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-103	42.5	0.5	Choupique Bayou	Y	Y	HDD Entry / Foreign Pipeline Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-104	42.5	0.6	Choupique Bayou	Y	Y	HDD Entry / Foreign Pipeline Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-105	42.6	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-106	42.6	0.2	Murl Ellender Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-107	42.7	0.3	Murl Ellender Rd	Y	Y	Road Bore / PI Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-108	43.0	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-109	43.1	0.5	CAL-WB-032	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The surrounding area includes a multitude of wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-110	43.2	0.5	CAL-WB-032	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-112	43.3	1.2	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-113	43.4	0.6	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-114	43.5	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-115	43.8	0.3	John Brannon Rd	Y	Y	PI / Road Bore Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.
ATWS-CAL-314	43.9	0.1	John Brannon Rd	N	Y	PI / Road Bore Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-116	43.9	0.6	John Brannon Rd	Y	Y	PI / Road Bore Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.
ATWS-CAL-119	44.2	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-120	44.4	0.3	NA	Y	Y	PI / Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-121	44.4	0.2	NA	Y	Y	PI / Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-122	44.5	0.2	State Route 108	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-124	44.6	0.2	State Route 108	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-125	44.6	0.2	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-126	44.7	0.2	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-127	44.8	0.2	CAL-WB-033	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-128	44.9	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-129	44.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-130	45.1	0.2	Augie Lyons Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-131	45.5	0.9	W Cotton Vincent Rd	Y	Y	Road Bore Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-133	45.6	0.1	W Cotton Vincent Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-134	45.7	0.1	NA	N	Y	Waterbody / Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The location was selected near the transition to TWS neckdown area for vehicle/equipment to be able to pass on the working side and assist with an open cut water crossing. Additional area includes parallel foreign pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-135	45.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-136	45.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-137	46.0	0.1	CITGO	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. ATWS pad location was restricted to the east side due to the paralleling foreign pipeline on the west side. Moving the ATWS further to the south would hinder its ability to aid in construction as the distance from the foreign pipeline would be too far to transfer spoil.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-138	46.0	<0.1	CITGO	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. ATWS pad location was restricted to the east side due to the paralleling foreign pipeline on the west side. Moving the ATWS further to the south would hinder its ability to aid in construction as the distance from the foreign pipeline would be too far to transfer spoil.
ATWS-CAL-139	46.1	0.2	CITGO	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-140	46.1	0.1	DOW	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-142	46.2	0.1	Phillips 66	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-143	46.3	0.3	Phillips 66	Y	Y	Foreign Pipeline / PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-144	46.4	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-141	46.4	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-145	46.5	0.4	CenterPoint	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-147	46.6	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-148	46.6	0.3	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-149	46.8	0.5	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-150	47.1	0.6	Creole Trail/ Sempra/Phillips 66/Targa/CITGO	Y	Y	PI / Bore / Foreign Pipeline Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-151	47.1	0.1	Creole Trail/ Sempra/Phillips 66/Targa	Y	Y	PI / Bore / Foreign Pipeline Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-152	47.1	0.1	CITGO	Y	Y	Turnaround / Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs including parking and equipment turn-around area. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-153	47.2	0.2	Creole Trail/ Sempra/Phillips 66/Targa/CITGO	Y	Y	PI / Bore / Foreign Pipeline Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-154	47.2	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-155	47.5	1.9	Walker Rd	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. In addition, the area is surrounded with a multitude of wetlands. The wetland impact is unavoidable.
ATWS-CAL-156	47.5	0.3	Walker Rd	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-157	47.5	0.4	Walker Rd	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-159	47.9	1.1	Walker Rd	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-CAL-160	48.2	1.4	Foreign Pipeline	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-CAL-162	48.2	0.7	Foreign Pipeline	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-163	48.5	0.5	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-164	48.5	0.6	Foreign Pipeline	Y	Y	HDD Entry/PI Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-316	48.6	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-165	48.6	0.1	NA	N	N	Road Bore/Turnaround Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, equipment turn-around area, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-166	48.6	0.1	Currie Dr	N	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-167	48.6	0.1	Currie Dr	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-168	48.6	0.1	Currie Dr	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-327	48.9	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-169	49.4	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-170	49.8	0.6	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-172	49.9	0.1	PetroLogistics / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-173	50.0	1.0	Interstate Hwy 10	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-174	50.3	0.6	Interstate Hwy 10	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-175	50.3	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-176	50.4	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-177	50.5	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-181	51.3	0.1	US Hwy 90 / W Napoleon St	N	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-182	51.3	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-183	51.3	0.1	US Hwy 90 / W Napoleon St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-184	51.3	0.1	US Hwy 90 / W Napoleon St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-186	51.5	0.4	Creole Trail / Sempra (42" CIP)	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-185	51.5	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-187	51.6	0.1	Creole Trail/Semptra / PetroLogistics(2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-188	51.6	<0.1	Creole Trail/Semptra / PetroLogistics(2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-189	51.6	0.1	PetroLogistics (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-190	51.6	0.1	PetroLogistics (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-191	51.7	0.1	Kim St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-192	51.7	0.1	Kim St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-193	51.8	0.1	Kim St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-194	51.8	0.1	Kim St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-320	51.8	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-197	51.9	0.2	Union Pacific RR	Y	Y	Railroad Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the railroad and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-198	52.1	0.2	W Burton St	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-199	52.2	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-200	52.3	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-201	52.4	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-202	52.5	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-203	52.5	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-204	52.6	0.1	PetroLogistics / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-205	52.6	0.1	PetroLogistics / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-206	52.7	0.1	PetroLogistics / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-207	52.7	0.1	PetroLogistics / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-209	53.0	0.2	UCAR	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-208	53.0	0.2	UCAR	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-210	53.1	0.1	UCAR	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-211	53.1	0.1	UCAR	Y	Y	Foreign Pipeline / Open Cut Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-CAL-212	53.1	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-325	53.2	0.2	CAL-WB-052	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-326	53.2	0.2	CAL-WB-052	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-214	53.4	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-213	53.4	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-215	53.8	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-216	53.9	<0.1	CAL-WB-042	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-217	54.0	0.1	CAL-WB-042	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-328	54.1	0.3	CAL-WB-042	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-218	54.2	0.1	Bluegrass / Dixie	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-219	54.2	0.1	Bluegrass / Dixie	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-220	54.4	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-222	54.5	0.5	Houston River Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-221	54.6	0.8	Houston River Canal	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-223	54.8	0.4	Houston River Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-224	54.8	0.2	Houston River Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-225	54.9	1.3	Houston River Canal	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-CAL-226	54.9	0.1	Houston River Canal	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-227	55.1	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-229	55.2	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-228	55.2	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-230	55.3	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-231	55.4	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-232	55.5	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-CAL-233	55.8	0.2	CAL-WB-048	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-234	55.8	0.2	CAL-WB-048	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-235	56.1	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-236	56.3	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-239	56.5	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-238	56.5	0.4	NA	N	N	Bore Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, testing equipment and pipe string, and travel lanes for other equipment.
ATWS-CAL-240	56.5	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-317	56.6	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-242	56.7	0.2	Houston River	Y	Y	HDD Entry / PI Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-243	56.7	<0.1	Houston River	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-244	57.4	0.7	NA	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
ATWS-CAL-245	57.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-247	57.8	1.1	NA	N	N	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area.
ATWS-CAL-246	57.9	0.6	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-CAL-249	58.3	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-323	58.5	0.2	Unnamed Waterbody	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-324	58.6	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-252	58.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-253	59.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-254	59.1	0.2	NA	N	N	Road/Foreign Pipeline Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-255	59.1	0.1	Bluegrass	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-256	59.6	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-257	59.7	0.6	State Route 27 / Bankens Rd / Unnamed Rr	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-258	59.7	0.2	State Route 27 / Bankens Rd / Unnamed Rr	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-319	60.0	1.5	Bankens Rd / Kansas City Southern Rr	Y	Y	Slope Equipment Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-CAL-318	60.1	0.4	NA	Y	Y	Slope Equipment Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-CAL-259	60.3	0.2	State Route 27 / Bankens Rd / Unnamed Road	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-260	60.3	0.9	State Route 27 / Bankens Rd / Unnamed Rr	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-261	60.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-262	60.5	1.0	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-CAL-263	60.8	0.7	Little River	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-264	60.9	0.3	NA	N	N	Foreign Pipeline/Waterbody Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment.
ATWS-CAL-265	61.0	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-267	61.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-268	61.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-269	61.6	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-271	61.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-272	61.9	0.2	CAL-WB-053	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-273	62.0	0.1	CAL-WB-053	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-274	62.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-275	62.7	0.2	CAL-WB-054	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-276	62.8	0.2	CAL-WB-054	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-277	63.0	0.2	Holbrook Park Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-279	63.0	0.2	Holbrook Park Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-280	63.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-283	63.8	<0.1	Beckwith Creek	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-284	63.8	0.9	Beckwith Creek	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-285	64.5	0.7	NA	N	N	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.
ATWS-CAL-286	64.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-287	64.7	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-288	64.7	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-CAL-289	64.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-290	65.0	1.0	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-CAL-292	65.4	0.7	NA	N	N	HDD Exit

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-293	65.5	0.2	CAL-WB-061	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-294	65.6	0.2	CAL-WB-061	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-296	65.8	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-297	66.0	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-298	66.1	0.1	NA	N	N	Road/Foreign Pipeline Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-299	66.1	0.5	Creole Trail / Unnamed Road	N	Y	Foreign Pipeline / PI / Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-300	66.1	<0.1	Creole Trail / Unnamed Road	Y	Y	Foreign Pipeline / PI / Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.
ATWS-CAL-301	66.1	0.2	Creole Trail / Unnamed Road	N	Y	Foreign Pipeline / PI / Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.
ATWS-CAL-302	66.1	<0.1	Creole Trail / Unnamed Road	Y	Y	Foreign Pipeline / PI / Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.
ATWS-CAL-304	66.2	0.1	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-305	66.2	0.1	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-CAL-307	66.3	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-CAL-308	66.4	0.1	Gulf South	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-309	66.4	<0.1	Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-CAL-310	66.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-CAL-311	66.6	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-CAL-312	66.8	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-CAL-313	66.9	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-001	67.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-003	67.9	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-BEA-004	67.9	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-BEA-006	68.0	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-BEA-008	68.0	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-BEA-009	68.0	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-010	68.2	0.1	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-011	68.2	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-012	68.4	0.3	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-BEA-013	68.4	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-BEA-014	68.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-015	68.8	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-BEA-016	69.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-017	69.7	0.2	BEA-WB-009	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-018	69.8	0.2	BEA-WB-009	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-020	69.9	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-021	69.9	0.1	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-BEA-022	69.9	0.2	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-BEA-023	70.0	0.2	NA	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-024	70.0	0.1	NA	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-025	70.1	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-026	70.3	0.1	Creole Trail	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-027	70.4	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-028	70.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-029	70.5	0.5	US Hwy 171	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-030	70.5	0.2	US Hwy 171	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-031	70.7	0.5	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-BEA-032	70.8	0.1	Targa	Y	Y	Foreign Pipeline / PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, Foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-033	70.8	0.1	Targa	Y	Y	Foreign Pipeline / PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, Foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-034	70.9	0.3	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-035	71.0	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-BEA-036	71.1	0.2	BEA-WB-014	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-037	71.1	0.2	BEA-WB-014	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-038	71.2	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-039	71.2	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-040	71.4	0.3	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-041	71.5	0.2	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-042	71.8	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-043	72.2	0.3	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-044	72.3	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-046	72.3	<0.1	NA	N	N	Bore Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, testing equipment and pipe string, and travel lanes for other equipment.
ATWS-BEA-048	72.4	0.3	NA	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-051	72.6	0.4	NA	N	N	PI/Road Bore Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-BEA-052	72.6	0.2	NA	N	N	Road Bore/Foreign Pipeline Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-053	72.7	0.3	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-054	72.7	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-055	72.7	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-056	72.8	<0.1	Targa	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-057	72.8	0.2	Targa	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-058	72.8	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-059	73.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-060	73.2	0.2	BEA-WB-017	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-BEA-061	73.3	0.2	BEA-WB-017	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-BEA-062	73.6	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-BEA-063	73.6	0.2	BEA-WB-018	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-BEA-064	73.9	0.5	NA	N	N	Access Road to Workspace Work Area Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-066	74.1	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-BEA-067	74.1	0.1	BEA-WL-038, BEA-WL-039	N	Y	Wetland Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-BEA-068	74.2	0.1	BEA-WL-039, BEA-WL-040	N	Y	Wetland Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-070	74.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-071	75.1	0.1	Gulf South	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-072	75.1	<0.1	NA	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-073	75.1	0.2	Gulf South	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-074	75.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-BEA-075	76.0	0.1	Trunkline (3)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-076	76.0	0.1	Trunkline (3)	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-077	76.0	<0.1	NA	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-078	76.1	<0.1	NA	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-079	76.1	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-080	76.1	0.1	Trunkline (3)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-BEA-082	76.4	0.2	NA	N	N	Road Bore/Foreign Pipeline/Turnaround Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, equipment turn-around area, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-081	76.4	0.1	NA	N	N	Road Bore/Turnaround Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, equipment turn-around area, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-BEA-083	76.4	0.1	NA	N	N	Road Bore/Foreign Pipeline Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-086	76.5	0.1	Starks Header	Y	Y	Foreign Pipeline / PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-085	76.5	0.1	Parish Rd 152 / Texas Eastern Rd	Y	Y	Road Bore / PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-087	76.6	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-089	76.6	0.1	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-BEA-088	76.6	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-BEA-090	76.7	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-BEA-091	76.7	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-BEA-092	77.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-001	77.6	0.3	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-002	77.8	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-004	78.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-230	78.7	<0.1	Barnes Creek HDD	N	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-005	78.7	0.7	Barnes Creek HDD	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-006	79.4	1.1	Barnes Creek HDD	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Moving the ATWS would reduce the benefit for nearby spoil storage for the road crossing.
ATWS-ALL-007	79.5	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-008	79.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-009	79.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-010	80.1	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-011	80.3	0.5	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-012	80.3	0.2	NA	N	N	Road/PI/Foreign Pipeline Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-014	80.4	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-ALL-015	81.3	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-224	81.5	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-226	81.6	<0.1	TETCO (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-ALL-016	81.6	0.1	TETCO (2)	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-ALL-017	81.7	0.1	TETCO (2)	Y	Y	Foreign Pipeline / Turnaround Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional staging area, equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-ALL-019	82.1	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Moving the would reduce the benefit for nearby spoil storage for the road crossing.
ATWS-ALL-018	82.1	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Moving the ATWS would reduce the benefit for nearby spoil storage for the road crossing.
ATWS-ALL-021	82.1	0.1	ALL-WB-004	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-ALL-022	82.2	0.2	ALL-WB-004	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-025	82.3	0.2	ALL-WB-006	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable
ATWS-ALL-026	82.4	0.2	ALL-WB-006	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing.
ATWS-ALL-027	82.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-028	82.4	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-029	82.5	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-030	82.6	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-ALL-031	83.0	0.5	NA	N	N	PI/Road Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
ATWS-ALL-032	83.1	0.5	NA	N	N	PI/Road Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-034	83.2	0.3	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-035	83.3	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-036	83.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-038	84.6	0.4	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-ALL-229	84.8	0.1	Unnamed Waterbody	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-ALL-039	84.8	<0.1	ALL-WB-008	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-040	84.9	0.2	ALL-WB-008	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-041	85.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-042	85.8	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-043	85.8	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-044	85.8	0.1	Snooky's Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-045	85.8	0.1	Snooky's Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-046	86.1	<0.1	Geeter Parker Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-047	86.1	0.2	Geeter Parker Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-048	86.2	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-049	86.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-050	86.3	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-051	86.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-052	87.1	0.1	ALL-WB-010	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-053	87.2	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-054	87.3	0.5	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-055	87.4	0.5	Unnamed RR / US Hwy 190	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-056	87.5	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-057	87.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-058	88.1	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-059	88.2	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-060	88.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-233	89.1	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-061	89.3	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-062	89.4	0.2	Methodist Camp Rd	N	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-063	89.5	0.2	Methodist Camp Rd	N	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-064	89.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-065	90.0	0.3	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-067	90.6	<0.1	Shorty Rawlings Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-068	90.6	0.2	Shorty Rawlings Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-069	90.7	0.2	Shorty Rawlings Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-071	90.8	0.5	NA	N	N	PI/Road Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.
ATWS-ALL-073	90.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-074	90.9	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-075	91.1	1.1	Whisky Chitto Creek	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-076	91.3	0.7	Whisky Chitto Creek	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-077	91.3	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-078	91.4	0.3	Whisky Chitto Creek	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-ALL-079	91.5	0.4	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-080	91.5	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-081	92.0	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-082	92.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-083	92.6	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-084	92.6	0.2	Carpenters Bridge Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-085	92.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-086	93.1	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-087	93.2	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-088	93.3	0.1	Tennessee Gas	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-ALL-089	93.3	0.1	Tennessee Gas	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-090	93.5	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-091	93.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-092	93.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-093	94.2	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-094	94.5	0.7	Calcasieu River	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-095	94.7	1.0	Calcasieu River	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-096	94.8	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI, foreign pipeline crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-098	94.8	0.4	TETCO (2)	N	Y	Foreign Pipeline / PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipeline crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-099	95.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-100	95.3	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-101	95.3	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-102	95.7	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-103	95.7	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-105	96.0	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-108	96.1	0.1	ALL-WB-018	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-109	96.2	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-110	96.4	0.2	Unnamed Road	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-111	96.5	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-112	96.6	1.1	US Hwy 165 / Unnamed RR	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-ALL-113	96.6	0.3	Gulf South	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-114	96.7	0.5	US Hwy 165 / Unnamed RR	N	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-115	97.0	0.9	US Hwy 165 / Unnamed RR	N	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-116	97.0	<0.1	US Hwy 165 / Unnamed RR	N	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-117	97.0	<0.1	Botley Cemetery Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Existing structures and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-118	97.0	0.2	Botley Cemetery Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Existing structures and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-222	97.1	0.1	ALL-WB-024	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-119	97.1	0.2	ALL-WB-024	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-223	97.1	0.1	ALL-WB-024	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-120	97.1	0.2	ALL-WB-024	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-227	97.3	0.2	NA	N	N	Wetland Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment.
ATWS-ALL-228	97.6	0.2	Botley Cemetery Rd	N	Y	Wetland Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-ALL-121	97.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-122	97.7	0.1	Botley Cemetery Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-ALL-123	97.8	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-124	97.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-125	97.9	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-127	98.1	0.2	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-128	98.1	0.1	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-129	98.1	<0.1	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-130	98.2	<0.1	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-ALL-131	98.2	0.3	Tennessee Gas	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipelines paralleling the Sempra pipeline and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-132	98.2	0.1	Tennessee Gas	Y	Y	PI / Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipelines paralleling the Sempra pipeline and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-231	98.3	0.2	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-232	98.4	0.2	Unnamed Waterbody	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-133	98.6	0.1	NA	Y	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-134	99.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-135	99.3	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-136	99.4	0.2	ALL-WB-026	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-ALL-137	99.7	0.2	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-138	99.8	0.1	Parish Rd 4-190e / Lauderdale Woodyard Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-139	99.9	0.1	NA	N	Y	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-140	100.6	0.1	Left	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-141	100.6	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-142	100.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-143	100.7	0.1	ALL-WB-028	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-144	100.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-145	100.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-146	100.9	0.5	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-147	100.9	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-148	101.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-149	101.8	0.4	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-ALL-151	102.1	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-153	102.7	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-154	102.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-155	102.8	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-156	102.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-157	102.9	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-158	103.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-159	103.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-160	103.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-161	103.5	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-162	103.5	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-163	103.6	<0.1	LaFleur Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the road crossing and is restricted by foreign pipelines.
ATWS-ALL-164	103.6	0.1	LaFleur Rd	N	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the road crossing and is restricted by foreign pipelines.
ATWS-ALL-165	103.6	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-166	104.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-167	104.3	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-168	104.4	0.1	Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-171	104.4	0.1	Gulf South / Texas Gas	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-173	104.5	<0.1	Texas Gas / Gulf South	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-177	104.6	0.2	NA	N	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-178	104.7	0.1	ALL-WB-034	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-179	104.7	0.2	ALL-WB-034	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-180	104.7	0.1	ALL-WB-035	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-181	104.8	0.1	ALL-WB-035	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-182	104.9	0.1	Bel Oil Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-183	104.9	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-184	105.0	0.2	Bel Oil Rd	Y	Y	Road Bore / PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-185	105.0	0.1	NA	N	N	Road Bore/PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-ALL-186	105.1	0.3	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-187	105.1	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-188	105.3	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-189	105.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-190	106.0	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-193	106.0	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-194	106.5	<0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-195	106.5	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-196	106.6	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-197	107.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-198	107.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-200	107.1	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-201	107.1	0.1	ALL-WB-038	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-202	107.3	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-203	107.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-ALL-204	107.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-ALL-205	108.0	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-206	108.1	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-ALL-207	108.1	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-208	108.4	0.2	ALL-WB-043	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-209	108.5	0.2	ALL-WB-043	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-210	108.6	0.2	ALL-WB-044	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-211	108.7	0.2	ALL-WB-044	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-212	108.8	0.2	ALL-WB-045	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-213	108.8	0.2	ALL-WB-045	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-ALL-214	109.1	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-ALL-215	109.7	0.2	Nezpique Bayou	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-ALL-216	109.7	0.5	Nezpique Bayou	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-ALL-217	109.8	0.1	Nezpique Bayou	Y	Y	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.
ATWS-ALL-218	109.8	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-219	109.9	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-220	109.9	0.6	Nezpique Bayou	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-ALL-221	109.9	0.1	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-001	110.1	0.2	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-EVA-002	110.1	1.1	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-EVA-003	110.2	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-004	110.3	0.2	EVA-WB-002	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would reduce the benefit for nearby spoil storage for the waterbody crossing.
ATWS-EVA-005	110.3	0.6	NA	N	N	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.
ATWS-EVA-006	110.6	1.9	NA	N	N	HDD Pullback Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area.
ATWS-EVA-007	110.7	0.9	Pond	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-EVA-008	110.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-009	110.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-010	111.0	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-011	111.1	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-012	111.3	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-EVA-013	111.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-014	111.6	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-015	111.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-016	111.9	0.2	EVA-WB-005	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would reduce the benefit for nearby spoil storage for the waterbody crossing.
ATWS-EVA-017	111.9	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-018	112.2	0.2	Ruby Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-EVA-019	112.2	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-020	112.6	0.2	EVA-WB-006	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.
ATWS-EVA-021	112.7	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-022	112.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-EVA-023	113.4	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-025	113.5	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-024	113.5	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-072	113.6	0.1	NA	N	N	Proposed Egan Lateral Additional staging area and equipment needs for construction of lateral.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-073	113.6	0.1	NA	N	N	Proposed Egan Lateral Additional staging area and equipment needs for construction of lateral.
ATWS-EVA-074	113.6	0.1	NA	N	N	Proposed Egan Lateral Additional staging area and equipment needs for construction of lateral.
ATWS-EVA-027	113.7	0.1	NA	N	N	Egan Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area.
ATWS-EVA-028	114.0	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-EVA-029	114.0	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-EVA-030	114.1	0.1	NA	N	N	Road Bore/PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-EVA-031	114.1	0.2	NA	N	N	Road Bore/PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-EVA-032	114.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-EVA-033	114.7	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-071	114.7	<0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-034	114.8	0.1	NA	N	N	Pine Prairie Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area.
ATWS-EVA-035	114.8	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-070	114.8	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-036	114.8	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-037	114.9	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-038	115.0	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-EVA-039	115.6	0.2	Texas Gas	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-040	115.6	0.1	Texas Gas	N	Y	Texas Gas Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area. The location of the tie-in and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-EVA-041	115.7	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-042	115.8	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-043	115.8	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-044	116.1	0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-045	116.1	0.1	NA	N	N	ANR Tie-Ins Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area.
ATWS-EVA-046	116.2	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-EVA-047	116.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-048	116.8	0.2	NA	N	N	Road Open Cut Additional staging area and equipment needs for open cut crossing.
ATWS-EVA-049	116.8	0.2	NA	N	N	Road Open Cut Additional staging area and equipment needs for open cut crossing.
ATWS-EVA-050	117.3	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-EVA-051	117.3	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-EVA-052	117.3	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-EVA-053	117.6	0.1	NA	N	N	Foreign Pipeline/Road Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-054	117.6	0.2	NA	N	N	Foreign Pipeline/Road Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-055	117.8	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-056	117.8	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-057	117.9	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-058	118.0	0.2	EVA-WB-010	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.
ATWS-EVA-059	118.2	0.1	Targa (2) / Phillips 66	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-EVA-060	118.3	0.2	Targa (2) / Phillips 66	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-EVA-061	118.4	0.2	EVA-WB-011	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.
ATWS-EVA-062	118.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-063	118.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-EVA-064	118.7	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-EVA-065	118.8	0.2	EVA-WB-012	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-EVA-067	118.8	<0.1	Phillips 66	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-EVA-068	118.8	0.1	Phillips 66	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-EVA-069	118.9	1.0	Des Cannes Bayou	Y	Y	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-STL-001	119.2	0.7	Des Cannes Bayou	Y	Y	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.
ATWS-STL-002	119.5	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-003	120.0	0.2	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-STL-004	120.1	<0.1	NA	N	N	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-STL-007	120.7	0.1	Lion Oil	N	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-STL-010	120.7	0.2	Lion Oil	Y	Y	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.
ATWS-STL-011	120.8	0.5	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-STL-012	120.8	0.3	TETCO (2)	N	Y	Foreign Pipeline / PI / Road Bore Additional staging area and equipment needs for Bore entry/exit and PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI,; personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, daylighting foreign pipeline spoil. Moving the ATWS farther away would reduce the benefit pipeline construction.
ATWS-STL-014	120.9	0.1	State Route 13	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the road crossing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-015	121.0	0.3	State Route 13	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the road crossing.
ATWS-STL-016	121.0	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-STL-017	121.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-018	121.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-019	121.7	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-020	121.7	0.1	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-021	121.8	0.1	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-082	121.8	<0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-022	121.8	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-023	121.8	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-STL-024	121.9	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-025	122.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-026	122.4	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-027	122.5	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-029	122.5	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.
ATWS-STL-030	122.6	0.4	NA	N	N	PI/Foreign Pipeline Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-031	123.4	0.2	Parish Rd 6-270 / Carl Loewer Rd	Y	Y	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. Moving the ATWS to the East is restricted by existing structures. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-033	123.5	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-034	123.7	0.3	NA	N	N	PI/Road Bore Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-035	123.8	0.7	NA	N	N	PI/Road Bore Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-036	124.2	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-STL-037	124.6	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-038	124.7	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-039	124.7	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-040	125.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-041	125.0	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-042	125.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-043	125.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-044	125.5	0.1	NA	N	N	Turnaround/Road/PI Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, equipment turn-around area, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-STL-045	125.6	0.3	NA	N	N	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.
ATWS-STL-046	125.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-047	125.8	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-048	125.9	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-049	126.0	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-050	126.1	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-052	126.5	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-053	126.6	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-055	127.1	0.2	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-056	127.4	0.2	STL-WB-010	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-057	127.5	0.5	State Route 95 / Etienne Rd	Y	Y	Road Bore / PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-058	127.6	0.6	State Route 95 / Etienne Rd	Y	Y	Road Bore / PI Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-060	128.1	0.5	STL-WB-011	Y	Y	Waterbody/PI Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-061	128.3	0.2	STL-WB-011	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-063	128.8	0.6	NA	Y	Y	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-064	129.0	0.1	STL-WB-015	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-065	129.0	0.1	STL-WB-016	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-066	129.1	0.2	STL-WB-016	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-067	129.4	0.1	NA	N	N	Turnaround Additional staging area and equipment needs including parking and equipment turn-around area.
ATWS-STL-068	129.5	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-069	129.6	0.2	NA	N	N	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-070	129.6	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-071	129.7	0.1	STL-WB-017	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-072	129.8	0.1	STL-WB-018	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.

APPENDIX D-2 (cont'd)

Additional Temporary Workspace for the Louisiana Connector Project

ATWS ID	Milepost	Affected Acreage	Feature Crossed	Wetlands		Site-Specific Justification
				Within ATWS	Within 50 ft. of ATWS	
ATWS-STL-073	129.9	0.2	STL-WB-018	Y	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-074	130.0	0.2	Parish Rd 6-105 / Belleau Rd	Y	Y	Road Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.
ATWS-STL-075	130.1	0.5	NA	N	N	Road/PI
ATWS-STL-077	130.3	0.1	NA	N	N	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing.
ATWS-STL-078	130.3	0.1	STL-WB-019	N	Y	Waterbody Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS to the North side would not assist with the waterbody crossing and is restricted by foreign pipelines.
ATWS-STL-079	130.6	0.2	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-080	130.6	0.3	NA	N	N	Road Bore Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.
ATWS-STL-081	130.8	0.1	NA	N	N	CGT Tie-Ins Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area.

APPENDIX E

PROPOSED ACCESS ROADS FOR THE TEXAS CONNECTOR AND LOUISIANA CONNECTOR PROJECTS

**PROPOSED ACCESS ROADS FOR THE TEXAS
CONNECTOR PROJECT**

APPENDIX E-1

Proposed Access Roads for the Texas Connector Project

Segment/Access Road Name	Milepost	Existing Land Uses	New/Existing	Temporary/Permanent	Ownership	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
Southern Pipeline									
AR-S-1	0.1	Roads/Transportation	Partially Existing	Temporary	Private/State	4.1	0.0	0.9	Widen/Regrade
AR-S-2	2.2	Roads/Transportation	Existing	Temporary	Local/State	0.8	0.0	0.2	Widen/Regrade
AR-S-3	2.9	Roads/Transportation, Open Land	New	Temporary	Private	0.7	0.0	0.2	To be constructed
AR-S-4	3.6	Roads/Transportation	Existing	Temporary	Private	1.1	0.0	0.2	Widen/Regrade
AR-S-5	3.7	Roads/Transportation	New	Permanent	Private	0.0	0.2	<0.1	Widen/Regrade
AR-S-6	4.9	Roads/Transportation	Existing	Temporary	Private	1.3	0.0	0.3	Widen/Regrade
AR-S-7	7.2	Roads/Transportation	Existing	Temporary	Private	0.9	0.0	0.2	Widen/Regrade
AR-S-8	7.4	Roads/Transportation	Existing	Temporary	Private	0.8	0.0	0.2	Widen/Regrade
AR-S-9	7.6	Roads/Transportation	Existing	Temporary	Private	0.6	0.0	0.1	Widen/Regrade
AR-S-10	7.6	Roads/Transportation	Existing	Permanent	Private	0.0	1.2	0.2	Widen/Regrade
Southern Pipeline Subtotal						10.3	1.3	2.4	
Northern Pipeline									
AR-N-1	1.5	Roads/Transportation	Existing	Temporary	Private	4.5	0.0	0.9	Widen/Regrade
AR-N-2	6.0	Roads/Transportation	Existing	Temporary	Private/State	11.1	0.0	2.3	Widen/Regrade
AR-N-3	7.2	Roads/Transportation	Existing	Temporary	Private	5.2	0.0	1.1	Widen/Regrade
AR-N-4	7.9	Roads/Transportation	Existing	Temporary	Private	1.4	0.0	0.3	Widen/Regrade
AR-N-5	8.2	Roads/Transportation	Existing	Temporary	Private	0.3	0.0	0.1	Widen/Regrade
AR-N-6	9.6	Roads/Transportation	Existing	Temporary	Private/Local	6.0	0.0	1.3	Widen/Regrade
AR-N-7	9.6	Open Land, Wetland	New	Temporary	Private	0.1	0.0	<0.1	To be constructed
AR-N-8	11.3	Roads/Transportation	Existing	Temporary	Private	2.6	0.0	0.5	Widen/Regrade
AR-N-9	11.6	Roads/Transportation	Existing	Temporary	Private	0.3	0.0	0.1	Widen/Regrade
AR-N-10	12.4	Roads/Transportation	Existing	Temporary	Private	3.5	0.0	0.7	Widen/Regrade
AR-N-11	12.9	Roads/Transportation	Existing	Temporary	Private/Other	2.3	0.0	0.5	Widen/Regrade
AR-N-12	13.6	Roads/Transportation	Partially Existing	Temporary	Private/Other	8.0	0.0	1.6	Widen/Regrade
AR-N-13	14.2	Roads/Transportation	Existing	Temporary	Private/Other	0.9	0.0	0.2	Widen/Regrade
AR-N-14	14.8	Roads/Transportation	Existing	Temporary	Private/Other	1.4	0.0	0.3	Widen/Regrade
AR-N-15	15.7	Roads/Transportation	Existing	Temporary	Private	0.1	0.0	<0.1	Widen/Regrade
AR-N-16	17.3	Roads/Transportation	Existing	Temporary	Private	1.1	0.0	0.2	Widen/Regrade
AR-N-17	18.1	Open Land, Open Water	New	Temporary	Private	0.1	0.0	<0.1	To be constructed
AR-N-20	18.2	Roads/Transportation	Existing	Temporary	Private	8.5	0.0	1.8	Widen/Regrade
AR-N-18	18.8	Roads/Transportation	Existing	Temporary	Private	2.3	0.0	0.5	Widen/Regrade

APPENDIX E-1 (cont'd)

Proposed Access Roads for the Texas Connector Project

Segment/Access Road Name	Milepost	Existing Land Uses	New/Existing	Temporary/ Permanent	Ownership	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
AR-N-19	19.3	Roads/Transportation	Existing	Temporary	Private	4.1	0.0	0.9	Widen/Regrade
AR-N-21	19.6	Roads/Transportation	Partially Existing	Temporary	Private	1.9	0.0	0.4	Widen/Regrade
AR-N-22	20.2	Forest/Woodland, Open Land	New	Permanent	Private	0.0	0.3	0.1	To be constructed
AR-N-28	20.8	Roads/Transportation	Partially Existing	Temporary	Private	0.9	0.0	0.2	Widen/Regrade
AR-N-23	21.5	Roads/Transportation	Existing	Temporary	Private	4.3	0.0	0.9	Widen/Regrade
AR-N-24	22.4	Roads/Transportation	Existing	Temporary	Private	8.6	0.0	1.8	Widen/Regrade
AR-N-25	23.6	Roads/Transportation	Existing	Temporary	Private	8.9	0.0	1.8	Widen/Regrade
AR-N-26	23.7	Roads/Transportation	Partially Existing	Temporary	Private	0.7	0.0	0.2	Widen/Regrade
AR-N-27	25.2	Roads/Transportation	Existing	Temporary	Private	3.1	0.0	0.7	Widen/Regrade
AR-N-29	25.7	Forest/Woodland, Open Land	New	Permanent	Private	0.3	0.3	0.1	To be constructed
Northern Pipeline Subtotal						92.3	0.5	19.2	
Laterals									
GTS Lateral									
AR-GTS-1	0.5	Roads/Transportation	Partially Existing	Temporary	Private	0.8	0.0	0.2	Widen/Regrade
AR-GTS-2	1.3	Roads/Transportation	Partially Existing	Permanent	Private/Unknown	1.0	1.0	0.2	Widen/Regrade
FGT Lateral									
AR-FGT-1	0.8	Roads/Transportation	Existing	Temporary	Private	0.8	0.0	0.2	Widen/Regrade
AR-FGT-2	1.2	Roads/Transportation	Existing	Temporary	Private	0.9	0.0	0.2	Widen/Regrade
AR-FGT-3 a	1.8	Forest/Woodland, Open Land	New	Permanent	Private	0.0	0.0	0.1	To be constructed
HPL Lateral									
AR-HPL-1	1.0	Roads/Transportation	Existing	Temporary	Private	0.5	0.5	0.1	Widen/Regrade
NGPL Lateral									
AR-NGPL-1	0.2	Open Land, Roads/Transportation, Open Water	New	Temporary	Private	0.1	0.0	<0.1	To be constructed
TETCO Lateral									
AR-TETCO-1	0.1	Roads/Transportation	Existing	Permanent	Private	0.7	0.7	0.2	Widen/Regrade
Laterals Subtotal						4.8	2.2	1.0	
Access Road Totals						107.4	4.1	22.7	

^a AR-FGT-3 is located inside the permanent right-of-way.

Note: Addends may not sum due to rounding.

**PROPOSED ACCESS ROADS FOR THE LOUISIANA
CONNECTOR PROJECT**

APPENDIX E-2

Proposed Access Roads for the Louisiana Connector Project

Segment/Access Road Name	Milepost	Existing Surface	Status of Improvement/Type ^a	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
WR-JEF-07	0.3	Water	NA	0.0	0.0	11.5	NA
WR-JEF-01	12.8	Water	NA	0.0	0.0	3.2	NA
WR-CAM-02A	17.5	Water	NA	0.0	0.0	0.6	NA
AR-CAM-01	18.1	New	Temporary Improvements/ Restored	0.7	0.0	0.1	Grade, Widen, Gravel
WR-CAM-07	19.0	Water	NA	0.0	0.0	0.3	NA
WR-CAM-01	19.0	Water	NA	0.0	0.0	2.5	NA
AR-CAM-01A	19.2	New	Temporary Improvements/ Restored	0.7	0.0	0.1	Grade, Widen, Gravel
AR-CAM-02	20.3	New	Temporary Improvements/ Restored	1.5	0.0	0.3	Grade, Widen, Gravel
WR-CAM-03	20.5	Water	NA	0.0	0.0	0.1	NA
WR-CAM-02	22.3	Water	NA	0.0	0.0	1.0	NA
WR-CAM-02	22.3	Water	NA	0.0	0.0	3.9	NA
AR-CAM-03A	25.7	New	Temporary Improvements/ Restored	5.1	0.0	1.1	Grade, Widen, Gravel
AR-CAM-03B	26.1	Dirt	No Improvements/ Temporary Use	1.2	0.0	0.8	NA
AR-CAM-03B	26.1	Dirt	Temporary Improvements/ Restored	0.2	0.0	0.0	Grade, Widen, Gravel
WR-CAL-01	26.4	Water	NA	0.0	0.0	0.1	NA
AR-CAM-03C	26.5	Dirt	No Improvements/ Temporary Use	0.7	0.0	0.5	NA
AR-CAM-03C	26.5	New	Permanently Improved	1.0	1.0	0.2	Grade, Widen, Gravel
WR-CAL-02	26.5	Water	NA	0.0	0.0	0.1	NA
WR-CAL-03	27.0	Water	NA	0.0	0.0	0.1	NA
AR-CAL-01A	27.5	New	Permanently Improved	1.0	1.0	0.2	Grade, Widen, Gravel
WR-CAL-04	27.5	Water	NA	0.0	0.0	0.1	NA
WR-CAM-04	27.9	Water	NA	0.0	0.0	17.7	NA
WR-CAL-05	28.2	Water	NA	0.0	0.0	0.2	NA
AR-CAL-01B	28.4	New	Temporary Improvements/ Restored	0.7	0.0	0.2	Grade, Widen, Gravel
AR-CAL-02A	30.7	New	No Improvements/ Temporary Use	0.6	0.0	0.1	NA
WR-CAL-06	30.8	Water	NA	0.0	0.0	0.4	NA
AR-CAL-03	30.8	New	Temporary Improvements/ Restored	0.3	0.0	0.1	Grade, Widen, Gravel
AR-CAL-04	32.9	Gravel	No Improvements/ Temporary Use	1.5	0.0	1.1	NA
AR-CAL-04A	32.9	New	Permanently Improved	0.2	0.2	0.0	Grade, Widen, Gravel
WR-CAL-07	32.9	Water	NA	0.0	0.0	0.1	NA
AR-CAL-05	33.7	Dirt	No Improvements/ Temporary Use	2.3	0.0	1.3	NA
AR-CAL-05	33.7	Dirt	Temporary Improvements/ Restored	0.5	0.0	0.1	Grade, Widen, Gravel

APPENDIX E-2 (cont'd)

Proposed Access Roads for the Louisiana Connector Project

Segment/Access Road Name	Milepost	Existing Surface	Status of Improvement/Type ^a	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
WR-CAL-08	34.7	Water	NA	0.0	0.0	0.2	NA
AR-CAL-05A	34.8	Dirt	Temporary Improvements/ Restored	1.3	0.0	0.3	Grade, Widen, Gravel
AR-CAL-06	35.8	Gravel	No Improvements/ Temporary Use	0.8	0.0	0.8	NA
AR-CAL-06A	36.5	Dirt	Temporary Improvements/ Restored	7.1	0.0	1.5	Grade, Widen, Gravel
AR-CAL-07	37.6	Gravel	No Improvements/ Temporary Use	0.8	0.0	0.7	NA
AR-CAL-08	38.9	Gravel	No Improvements/ Temporary Use	0.4	0.0	0.3	NA
AR-CAL-08	38.9	Dirt	Temporary Improvements/ Restored	0.9	0.0	0.2	Grade, Widen, Gravel
AR-CAL-09	39.9	Gravel	No Improvements/ Temporary Use	0.2	0.0	0.2	NA
AR-CAL-10A	40.4	Gravel	No Improvements/ Temporary Use	0.3	0.0	0.3	NA
AR-CAL-10A	40.4	New	Temporary Improvements/ Restored	1.0	0.0	0.2	Grade, Widen, Gravel
AR-CAL-11A	40.5	Gravel	No Improvements/ Temporary Use	<0.1	0.0	0.0	NA
AR-CAL-11A	40.5	Dirt	Temporary Improvements/ Restored	0.6	0.0	0.1	Grade, Widen, Gravel
AR-CAL-13A	41.5	Gravel	No Improvements/ Temporary Use	0.4	0.0	0.3	NA
AR-CAL-17A	43.2	Dirt	Temporary Improvements/ Restored	0.5	0.0	0.1	Grade, Widen, Gravel
AR-CAL-17B	43.6	New	Permanently Improved	<0.1	<0.1	0.0	Grade, Widen, Gravel
AR-CAL-23	46.5	New	Temporary Improvements/ Restored	0.3	0.0	0.1	Grade, Widen, Gravel
AR-CAL-23A	47.0	New	Permanently Improved	1.0	1.0	0.2	Grade, Widen, Gravel
AR-CAL-24A	47.3	Dirt	Temporary Improvements/ Restored	1.6	0.0	0.3	Grade, Widen, Gravel
AR-CAL-27A	47.9	New	Temporary Improvements/ Restored	2.2	0.0	0.4	Grade, Widen, Gravel
AR-CAL-27B	48.2	Asphalt	No Improvements/ Temporary Use	0.2	0.0	0.2	NA
AR-CAL-27B	48.2	New	Temporary Improvements/ Restored	1.0	0.0	0.2	Grade, Widen, Gravel
AR-CAL-30	48.5	Dirt	No Improvements/ Temporary Use	0.2	0.0	0.1	NA
AR-CAL-31	49.8	Dirt	Temporary Improvements/ Restored	4.8	0.0	1.0	Grade, Widen, Gravel
AR-CAL-32	50.1	New	Temporary Improvements/ Restored	0.6	0.0	0.1	Grade, Widen, Gravel
AR-CAL-33	50.9	New	Permanently Improved	0.5	0.5	0.1	Grade, Widen, Gravel
AR-CAL-34	51.0	Gravel	No Improvements/ Temporary Use	0.1	0.0	0.1	NA
AR-CAL-38	54.6	Gravel	No Improvements/ Temporary Use	0.2	0.0	0.1	NA
AR-CAL-38	54.6	Dirt	No Improvements/ Temporary Use	0.8	0.0	0.7	NA
AR-CAL-38	54.6	Dirt	Temporary Improvements/ Restored	1.6	0.0	0.3	Grade, Widen, Gravel
AR-CAL-39	54.8	Gravel	No Improvements/ Temporary Use	0.9	0.0	0.5	NA
AR-CAL-39	54.8	New	Permanently Improved	1.0	1.0	0.2	Grade, Widen, Gravel
AR-CAL-43	56.3	Gravel	No Improvements/ Temporary Use	0.1	0.0	0.1	NA
AR-CAL-43	56.3	New	Temporary Improvements/ Restored	0.2	0.0	0.0	Grade, Widen, Gravel

APPENDIX E-2 (cont'd)

Proposed Access Roads for the Louisiana Connector Project

Segment/Access Road Name	Milepost	Existing Surface	Status of Improvement/Type ^a	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
AR-CAL-44	56.6	Dirt	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-CAL-45	56.6	Gravel	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-CAL-46A	56.7	Dirt	Temporary Improvements/ Restored	0.7	0.0	0.1	Grade, Widen, Gravel
AR-CAL-47	57.4	Dirt	Temporary Improvements/ Restored	4.0	0.0	0.8	Grade, Widen, Gravel
AR-CAL-47A	58.8	Gravel	No Improvements/ Temporary Use	<0.1	0.0	0.0	NA
AR-CAL-47B	58.9	New	Temporary Improvements/ Restored	0.1	0.0	0.0	Grade, Widen, Gravel
AR-CAL-48	59.0	Gravel	No Improvements/ Temporary Use	2.8	0.0	1.6	NA
AR-CAL-49	59.0	Gravel	No Improvements/ Temporary Use	1.0	0.0	0.6	NA
AR-CAL-49A	59.7	Dirt	Temporary Improvements/ Restored	0.8	0.0	0.2	Grade, Widen, Gravel
AR-CAL-50	60.0	Dirt	Temporary Improvements/ Restored	0.9	0.0	0.2	Grade, Widen, Gravel
AR-CAL-51	61.1	Gravel	No Improvements/ Temporary Use	8.7	0.0	2.9	NA
AR-CAL-52	61.6	Gravel	No Improvements/ Temporary Use	1.9	0.0	1.5	NA
AR-CAL-53	62.2	Gravel	No Improvements/ Temporary Use	1.2	0.0	0.9	NA
AR-CAL-53A	63.0	Dirt	No Improvements/ Temporary Use	<0.1	0.0	0.0	NA
AR-CAL-54	63.6	Dirt	Temporary Improvements/ Restored	0.4	0.0	0.1	Grade, Widen, Gravel
AR-CAL-55	63.6	Gravel	No Improvements/ Temporary Use	1.5	0.0	0.8	NA
AR-CAL-55	63.6	Dirt	Temporary Improvements/ Restored	1.3	0.0	0.3	Grade, Widen, Gravel
AR-CAL-56	63.8	Dirt	Temporary Improvements/ Restored	0.4	0.0	0.1	Grade, Widen, Gravel
AR-CAL-57	64.7	Gravel	No Improvements/ Temporary Use	9.7	0.0	4.0	NA
AR-CAL-58	65.1	Gravel	No Improvements/ Temporary Use	0.4	0.0	0.2	NA
AR-CAL-58	65.1	New	Temporary Improvements/ Restored	0.2	0.0	0.1	Grade, Widen, Gravel
AR-CAL-59	65.7	Gravel	No Improvements/ Temporary Use	0.1	0.0	0.1	NA
AR-CAL-59	65.7	Dirt	Temporary Improvements/ Restored	1.6	0.0	0.3	Grade, Widen, Gravel
AR-CAL-60	66.1	Gravel	No Improvements/ Temporary Use	0.1	0.0	0.0	NA
AR-CAL-61	66.1	Gravel	No Improvements/ Temporary Use	1.7	0.0	1.4	NA
AR-CAL-62	66.2	Dirt	Temporary Improvements/ Restored	2.1	0.0	0.4	Grade, Widen, Gravel
AR-BEA-01	68.2	Gravel	No Improvements/ Temporary Use	0.7	0.0	0.4	NA
AR-BEA-01	68.2	Dirt	Temporary Improvements/ Restored	1.4	0.0	0.3	Grade, Widen, Gravel
AR-BEA-02	68.2	Gravel	No Improvements/ Temporary Use	0.2	0.0	0.1	NA
AR-BEA-03	69.3	Dirt	Temporary Improvements/ Restored	2.2	0.0	0.5	Grade, Widen, Gravel
AR-BEA-04	69.9	Gravel	No Improvements/ Temporary Use	1.4	0.0	0.8	NA
AR-BEA-04	69.9	New	Temporary Improvements/ Restored	0.4	0.0	0.1	Grade, Widen, Gravel
AR-BEA-04B	70.6	New	Permanently Improved	1.0	1.0	0.0	Grade, Widen, Gravel

APPENDIX E-2 (cont'd)

Proposed Access Roads for the Louisiana Connector Project

Segment/Access Road Name	Milepost	Existing Surface	Status of Improvement/Type ^a	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
AR-BEA-05	71.4	Gravel	No Improvements/ Temporary Use	0.9	0.0	0.5	NA
AR-BEA-12	72.2	New	Permanently Improved	0.5	0.5	0.1	Grade, Widen, Gravel
AR-BEA-06A	72.3	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-BEA-06	72.3	New	Permanently Improved	0.45	0.5	0.1	Grade, Widen, Gravel
AR-BEA-06B	72.5	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-BEA-07	73.9	Dirt	Temporary Improvements/ Restored	2.4	0.0	0.5	Grade, Widen, Gravel
AR-BEA-08	74.6	Dirt	Temporary Improvements/ Restored	0.9	0.0	0.2	Grade, Widen, Gravel
AR-BEA-09	75.2	Gravel	No Improvements/ Temporary Use	3.3	0.0	2.1	NA
AR-BEA-10	75.7	Dirt	No Improvements/ Temporary Use	1.0	0.0	0.6	NA
AR-BEA-11	76.7	New	Permanently Improved	0.2	0.2	0.0	Grade, Widen, Gravel
AR-ALL-01	77.6	Dirt	Temporary Improvements/ Restored	2.9	0.0	0.6	Grade, Widen, Gravel
AR-ALL-01A	77.9	Dirt	Temporary Improvements/ Restored	0.5	0.0	0.1	Grade, Widen, Gravel
AR-ALL-03	81.3	Gravel	No Improvements/ Temporary Use	3.0	0.0	1.4	NA
AR-ALL-04	85.0	Dirt	No Improvements/ Temporary Use	0.9	0.0	0.8	NA
AR-ALL-05	87.1	Gravel	No Improvements/ Temporary Use	3.5	0.0	1.8	NA
AR-ALL-05	87.1	New	Permanently Improved	1.6	1.6	0.3	Grade, Widen, Gravel
AR-ALL-06	89.9	Asphalt	No Improvements/ Temporary Use	0.6	0.0	0.2	NA
AR-ALL-07	90.7	Dirt	No Improvements/ Temporary Use	0.8	0.0	0.1	NA
AR-ALL-08	91.0	Dirt	No Improvements/ Temporary Use	0.2	0.0	0.2	NA
AR-ALL-09	93.9	Dirt	Temporary Improvements/ Restored	1.1	0.0	0.2	Grade, Widen, Gravel
AR-ALL-10A	96.0	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-ALL-10D	96.1	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-ALL-09C	96.1	Dirt	No Improvements/ Temporary Use	0.1	0.0	0.0	NA
AR-ALL-10E	96.2	New	Permanently Improved	<0.1	<0.1	0.0	Grade, Widen, Gravel
AR-ALL-10B	96.3	New	Permanently Improved	<0.1	<0.1	0.0	Grade, Widen, Gravel
AR-ALL-10F	96.4	New	Permanently Improved	0.2	0.2	0.1	Grade, Widen, Gravel
AR-ALL-10	96.4	Gravel	No Improvements/ Temporary Use	0.5	0.0	0.3	NA
AR-ALL-10G	98.0	Dirt	No Improvements/ Temporary Use	0.9	0.0	0.5	NA
AR-ALL-10H	98.0	Dirt	Temporary Improvements/ Restored	3.3	0.0	0.7	Grade, Widen, Gravel
AR-ALL-11	100.5	Dirt	Temporary Improvements/ Restored	0.9	0.0	0.2	Grade, Widen, Gravel
AR-ALL-12	101.2	Dirt	No Improvements/ Temporary Use	0.2	0.0	0.2	NA
AR-ALL-13	101.8	Dirt	Temporary Improvements/ Restored	2.0	0.0	0.4	Grade, Widen, Gravel
AR-ALL-14	102.3	Dirt	Temporary Improvements/ Restored	3.3	0.0	0.7	Grade, Widen, Gravel

APPENDIX E-2 (cont'd)

Proposed Access Roads for the Louisiana Connector Project

Segment/Access Road Name	Milepost	Existing Surface	Status of Improvement/Type ^a	Construction Impacts (acres)	Operation Impacts (acres)	Length (miles)	Improvements Required
AR-ALL-15	102.9	Gravel	No Improvements/ Temporary Use	1.5	0.0	0.6	NA
AR-ALL-15F	106.0	Dirt	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-ALL-15G	106.0	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-ALL-16	107.0	Gravel	No Improvements/ Temporary Use	0.6	0.0	0.3	NA
AR-ALL-17	108.0	Gravel	No Improvements/ Temporary Use	3.5	0.0	1.3	NA
AR-EVA-01	110.9	Dirt	Temporary Improvements/ Restored	2.2	0.0	0.4	Grade, Widen, Gravel
AR-EVA-02	113.3	Gravel	No Improvements/ Temporary Use	0.2	0.0	0.1	NA
AR-EVA-03	113.6	Dirt	Temporary Improvements/ Restored	0.1	0.0	0.0	Grade, Widen, Gravel
AR-EVA-03A	113.7	New	Permanently Improved	0.1	0.1	0.0	Grade, Widen, Gravel
AR-EVA-04	114.7	Gravel	No Improvements/ Temporary Use	0.4	0.0	0.3	NA
AR-EVA-05	115.3	Dirt	No Improvements/ Temporary Use	0.5	0.0	0.4	NA
AR-EVA-05	115.3	New	Permanently Improved	0.2	0.2	0.0	Grade, Widen, Gravel
AR-EVA-05B	115.7	Dirt	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-EVA-05C	116.0	New	Permanently Improved	<0.1	<0.1	0.0	Grade, Widen, Gravel
AR-EVA-06	117.6	Gravel	No Improvements/ Temporary Use	0.2	0.0	0.1	NA
AR-STL-01A	120.5	Dirt	Temporary Improvements/ Restored	0.1	0.0	0.0	Grade, Widen, Gravel
AR-STL-01D	120.5	New	Temporary Improvements/ Restored	<0.1	0.0	0.0	Grade, Widen, Gravel
AR-STL-01B	120.8	Gravel	No Improvements/ Temporary Use	0.1	0.0	0.0	NA
AR-STL-01B	120.8	Dirt	Temporary Improvements/ Restored	0.1	0.0	0.0	Grade, Widen, Gravel
AR-STL-01	121.2	Dirt	Temporary Improvements/ Restored	0.3	0.0	0.1	Grade, Widen, Gravel
AR-STL-01C	122.4	Dirt	Temporary Improvements/ Restored	0.6	0.0	0.1	Grade, Widen, Gravel
AR-STL-04	123.4	New	Temporary Improvements/ Restored	0.5	0.0	0.1	Grade, Widen, Gravel
AR-STL-14	130.8	New	Permanently Improved	<0.1	<0.1	0.0	Grade, Widen, Gravel
Access Road Totals				144.9	8.2	93.9	

^a Permanently Improved access roads require improvements, would be used during operations, and are considered permanent impacts. No Improvements/ Temporary Use access roads do not require improvements, would only be used during construction, and are considered temporary impacts. Temporary Improved/ Restored access roads only require improvements during construction, would be returned to pre-construction conditions, and are considered temporary impacts.

Note: Addends may not sum due to rounding.

APPENDIX F

RESIDENTIAL CONSTRUCTION PLANS

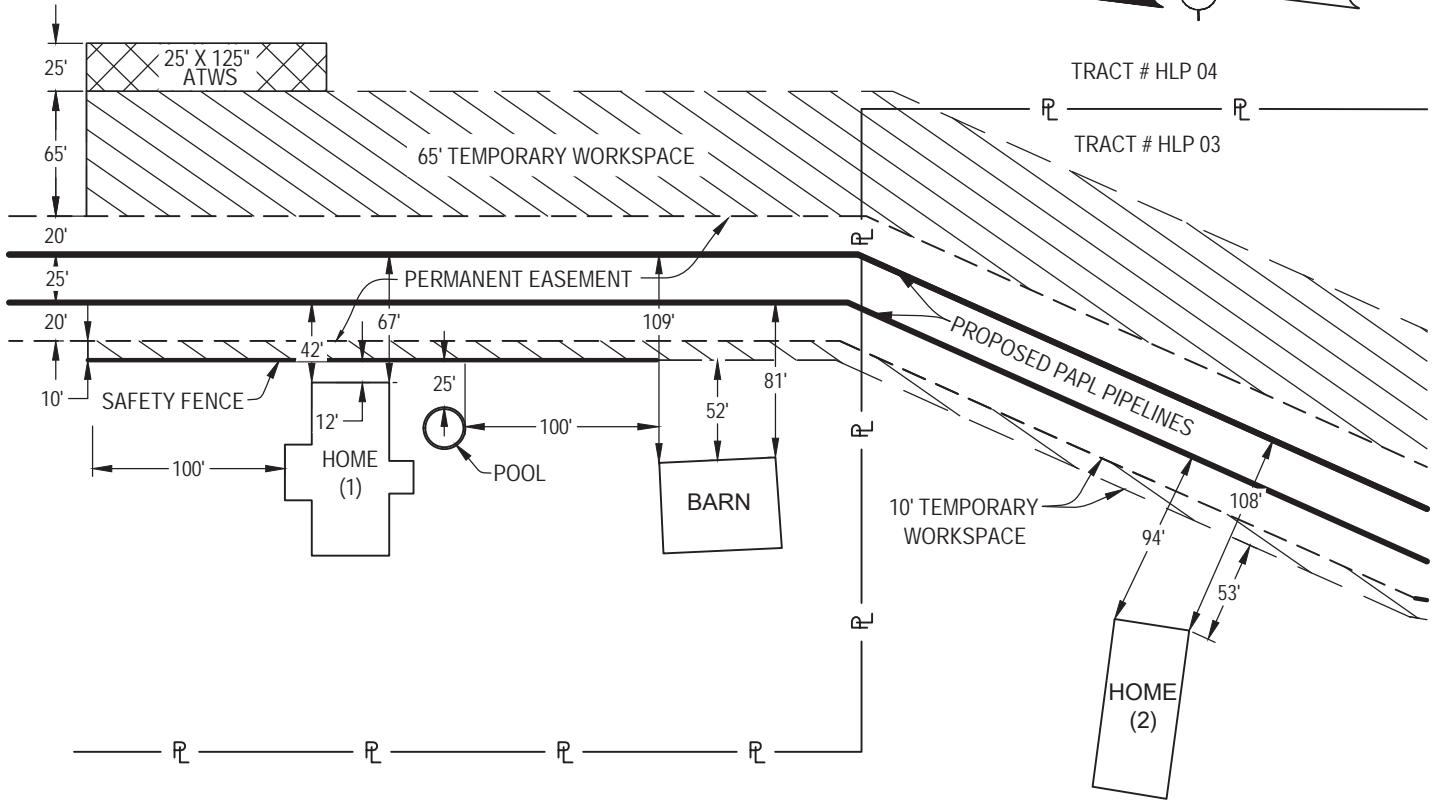
TEXAS CONNECTOR PROJECT

RESIDENTIAL IMPLEMENTATION PLAN

DEC ' D, A-169

TRACT # HPL-03

TRACT # HPL-04



STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE

STRUCTURE	M.P.	DISTANCE
HOME (1)	N 26.4	12.0'
POOL	N 26.4	25.0'
BARN	N 26.3	52.0'
HOME (2)	N 26.3	53.0'



NOTES:

- TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
- ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
- FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

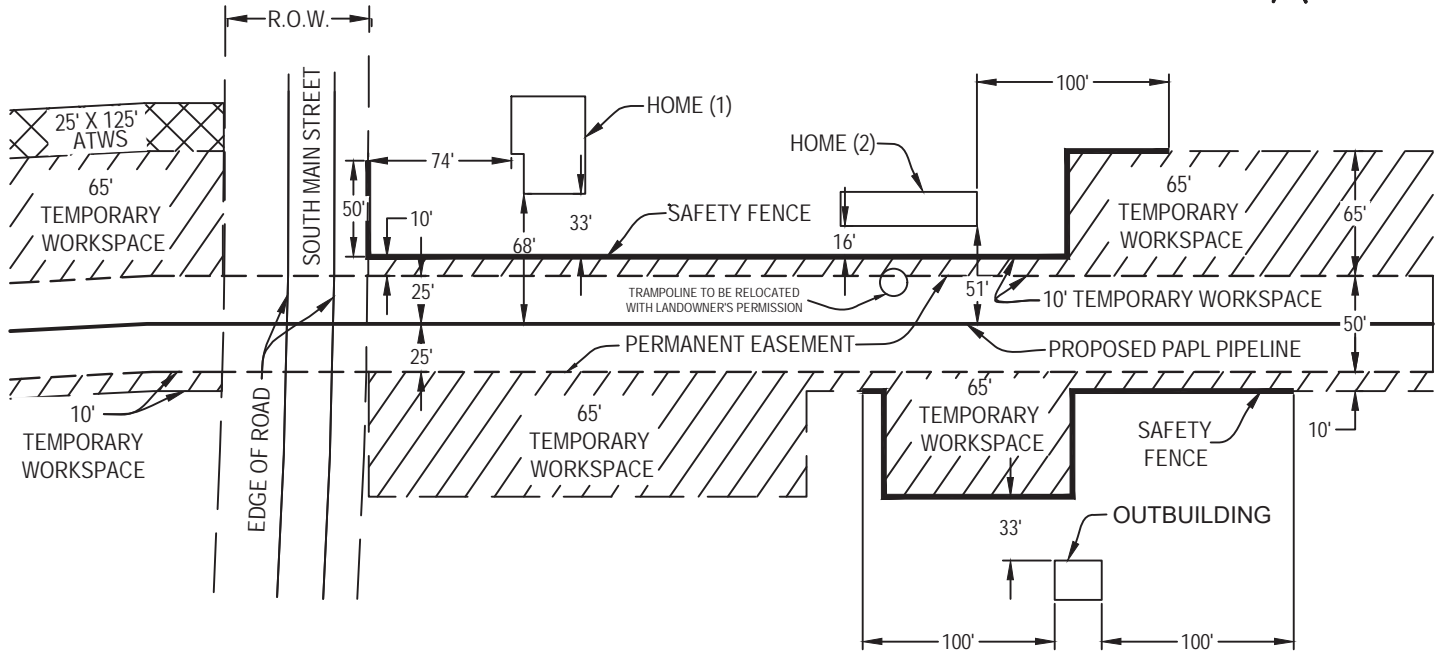
SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

- ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
- INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
- CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.

<p>PORT ARTHUR PIPELINE</p>							
		B ISSUED FOR REVIEW 1/5/16 FAT					
		A ISSUED FOR REVIEW 12/18/15 FAT					
		NO. REVISION DATE APPR.					
SCALE	DATE	DRAWN	CHECKED	APPROVED	PROJ. NO.	DRAWING NUMBER	SHEET
1"=100'	1/5/16	JBS	BJV	FAT	22670	22670-510-SSP-19004	1 OF 1
					PORT ARTHUR PIPELINE RESIDENTIAL IMPLEMENTATION PLAN 0' TO 50' OF WORK AREA ORANGE COUNTY, TEXAS		

RESIDENTIAL IMPLEMENTATION PLAN
J. STEPHENSON SURVEY, A-169
 TRACT # FGT-03



STRUCTURE LOCATED 0" TO 50"
FROM THE EDGE OF WORKSPACE

<u>STRUCTURE</u>	<u>M.P.</u>	<u>DISTANCE</u>
HOME (2)	FGT 0.3	16.0'
HOME (1)	FGT 0.3	33.0'
OUTBUILDING	FGT 0.3	33.0'



NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.
4. TRAMPOLINE TO BE RELOCATED WITH LANDOWNER'S PERMISSION.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

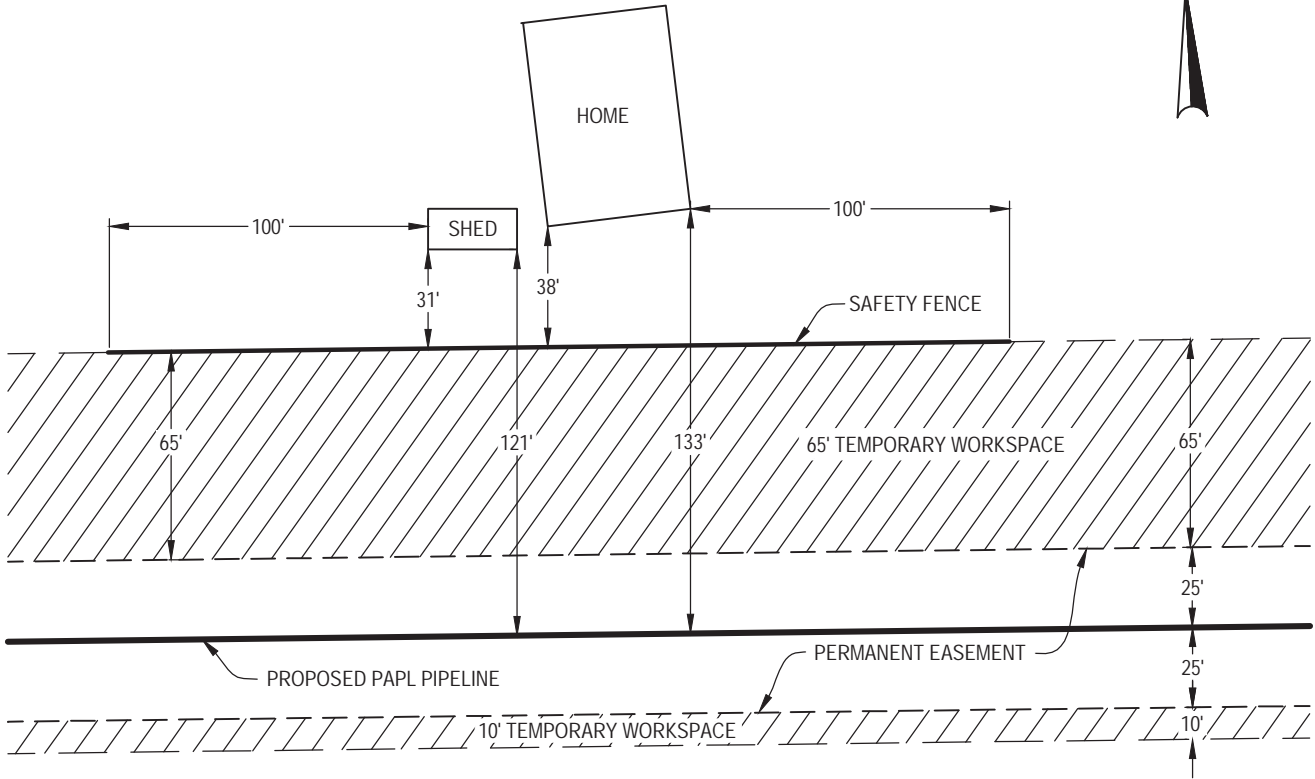
1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
3. CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.

PORT ARTHUR PIPELINE	 UNIVERSAL PEGASUS INTERNATIONAL A Subsidiary of Huntington Ingalls Industries <small>© 2015 Huntington Ingalls Industries</small>				 Port Arthur Pipeline		
	PORT ARTHUR PIPELINE RESIDENTIAL IMPLEMENTATION PLAN 0' TO 50' OF WORK AREA ORANGE COUNTY, TEXAS						
	B	ISSUE FOR REVIEW	05/18/17	FAT			
	A	ISSUED FOR REVIEW	12/18/15	TJ			
NO.	REVISION	DATE	APPR.				
SCALE	DATE	DRAWN	CHECKED	APPROVED	PROJ. NO.	DRAWING NUMBER	SHEET
1"=100'	12/09/15	JBS	BJV	TJ	22670	22670-510-SSP-19005	1 OF 1

RESIDENTIAL IMPLEMENTATION PLAN

DEC ' D, A-169

TRACT # FGT-05



STRUCTURE LOCATED 0" TO 50'
FROM THE EDGE OF WORKSPACE

<u>STRUCTURE</u>	<u>M.P.</u>	<u>DISTANCE</u>
HOME	FGT 0.5	38.0'
SHED	FGT 0.5	31.0'



NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES .

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

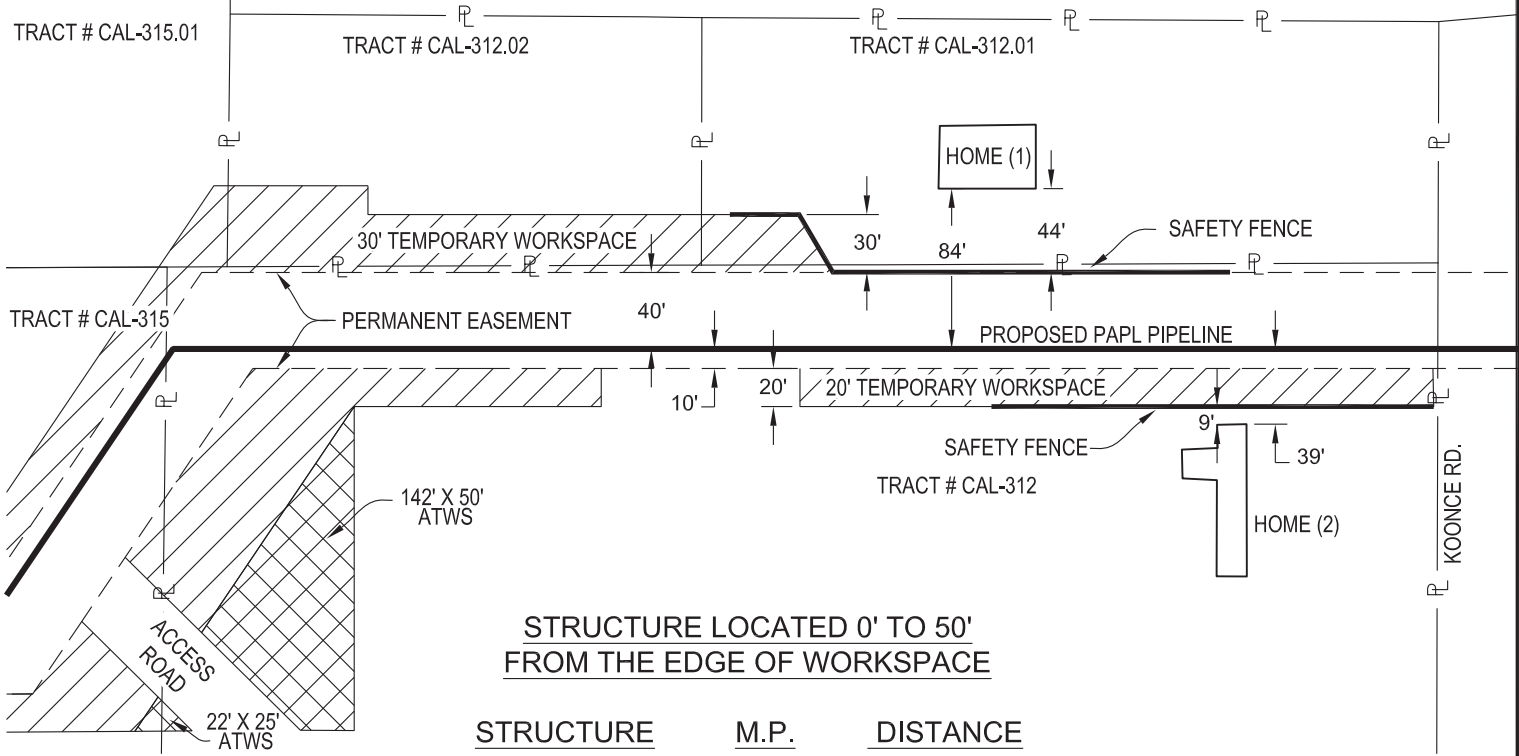
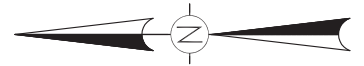
PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
3. CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.

<p>PORT ARTHUR PIPELINE</p>								
	<p>PORT ARTHUR PIPELINE RESIDENTIAL IMPLEMENTATION PLAN 0' TO 50' OF WORK AREA ORANGE COUNTY, TEXAS</p>							
	A	ISSUED FOR REVIEW			12/18/15	TJ		
	NO.	REVISION			DATE	APPR.		
SCALE	DATE	DRAWN	CHECKED	APPROVED	PROJ. NO.	DRAWING NUMBER	SHEET	
1"=60'	12/14/15	JBS	BJV	TJ	22670	22670-510-SSP-19006	1 OF 1	

LOUISIANA CONNECTOR PROJECT

**RESIDENTIAL IMPLEMENTATION PLAN
TRACT # CAL-312, TRACT # CAL-312.01
TRACT # CAL-312.02, TRACT # CAL-315
TRACT # CAL-315.01**



**STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE**

<u>STRUCTURE</u>	<u>M.P.</u>	<u>DISTANCE</u>
HOME (1)	56.6	44.0'
HOME (2)	56.6	9.0'

NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
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4. INSTALL A SAFETY FENCE AT THE EDGE OF THE CONSTRUCTION ROW FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF THE RESIDENCE.
5. ATTEMPT TO LEAVE MATURE TREES AND LANDSCAPING INTACT WITHIN THE CONSTRUCTION WORK AREA, UNLESS THEY INTERFERE WITH INSTALLATION TECHNIQUES OR PRESENT UNSAFE WORKING CONDITIONS.
6. ENSURE PIPE IS WELDED, INSTALLED, AND BACKFILLED IN A TIMELY MANNER TO REDUCE THE CONSTRUCTION IMPACTS OF THE NEIGHBORHOOD.
7. BACKFILL THE TRENCH AS SOON AS PIPE IS INSTALLED, OR TEMPORARILY PLACE STEEL PLATES OVER THE TRENCH.
8. COMPLETE FINAL CLEANUP, GRADING, AND INSTALLATION OF PERMANENT EROSION CONTROL DEVICES WITHIN 10 DAYS AFTER BACKFILLING THE TRENCH, WEATHER PERMITTING.

UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688



**PORT ARTHUR PIPELINE
RESIDENTIAL IMPLEMENTATION PLAN
0' TO 50' OF WORK AREA - CALCASIEU PARISH, LOUISIANA**



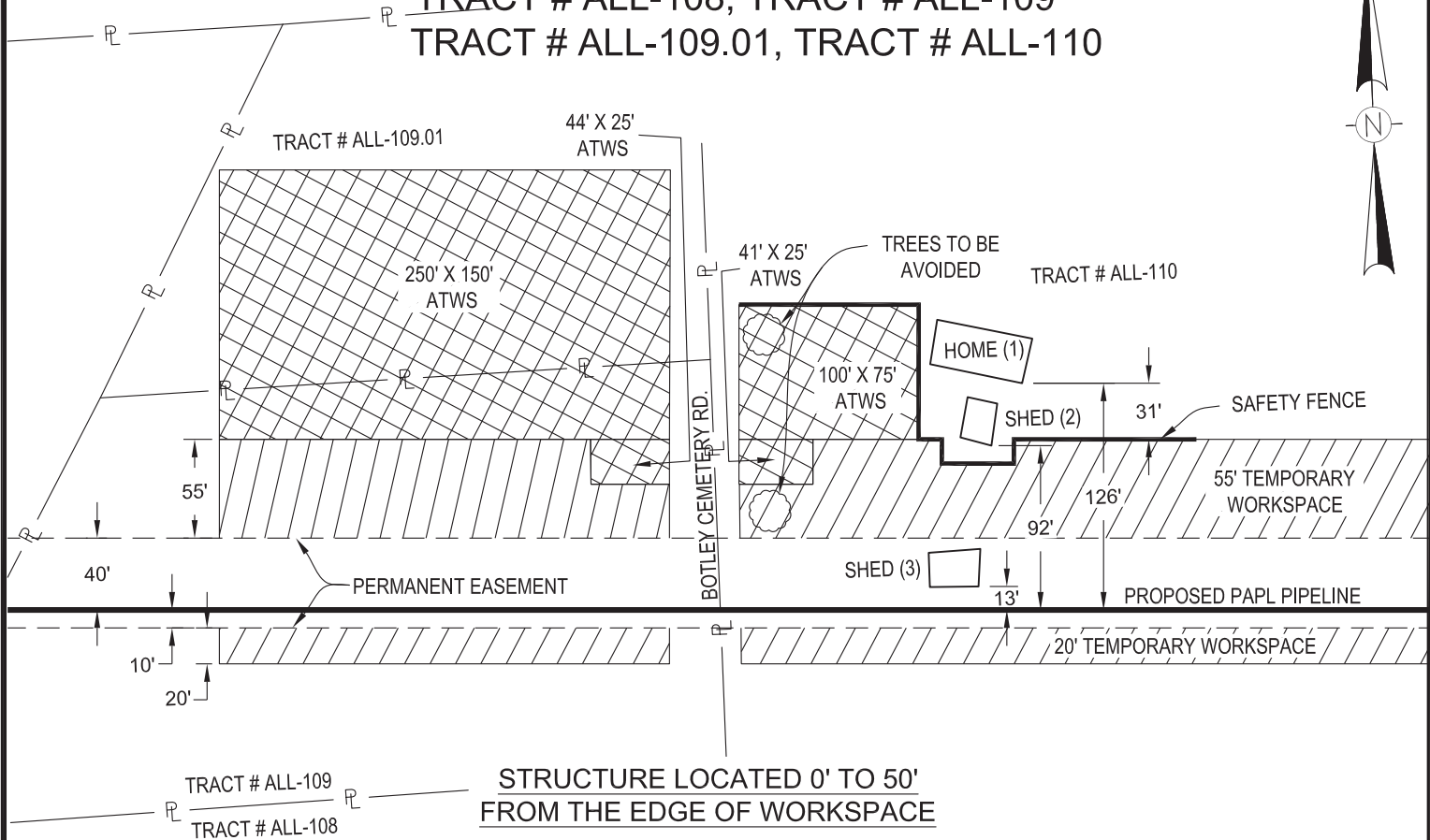
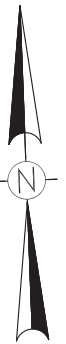
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						SHEET	1 OF 1
						STATE	LA
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RESIDENTIAL IMPLEMENTATION PLAN

TRACT # ALL-108, TRACT # ALL-109

TRACT # ALL-109.01, TRACT # ALL-110



**STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE**

STRUCTURE	M.P.	DISTANCE
HOME (1)	97.0	31.0'
SHED (2)	97.0	5.9'
SHED (3)	97.0	0.0' * TO BE REMOVED

NOTES:

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3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
3. CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.
4. INSTALL A SAFETY FENCE AT THE EDGE OF THE CONSTRUCTION ROW FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF THE RESIDENCE.
5. ATTEMPT TO LEAVE MATURE TREES AND LANDSCAPING INTACT WITHIN THE CONSTRUCTION WORK AREA, UNLESS THEY INTERFERE WITH INSTALLATION TECHNIQUES OR PRESENT UNSAFE WORKING CONDITIONS.
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7. BACKFILL THE TRENCH AS SOON AS PIPE IS INSTALLED, OR TEMPORARILY PLACE STEEL PLATES OVER THE TRENCH.
8. COMPLETE FINAL CLEANUP, GRADING, AND INSTALLATION OF PERMANENT EROSION CONTROL DEVICES WITHIN 10 DAYS AFTER BACKFILLING THE TRENCH, WEATHER PERMITTING.

UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688

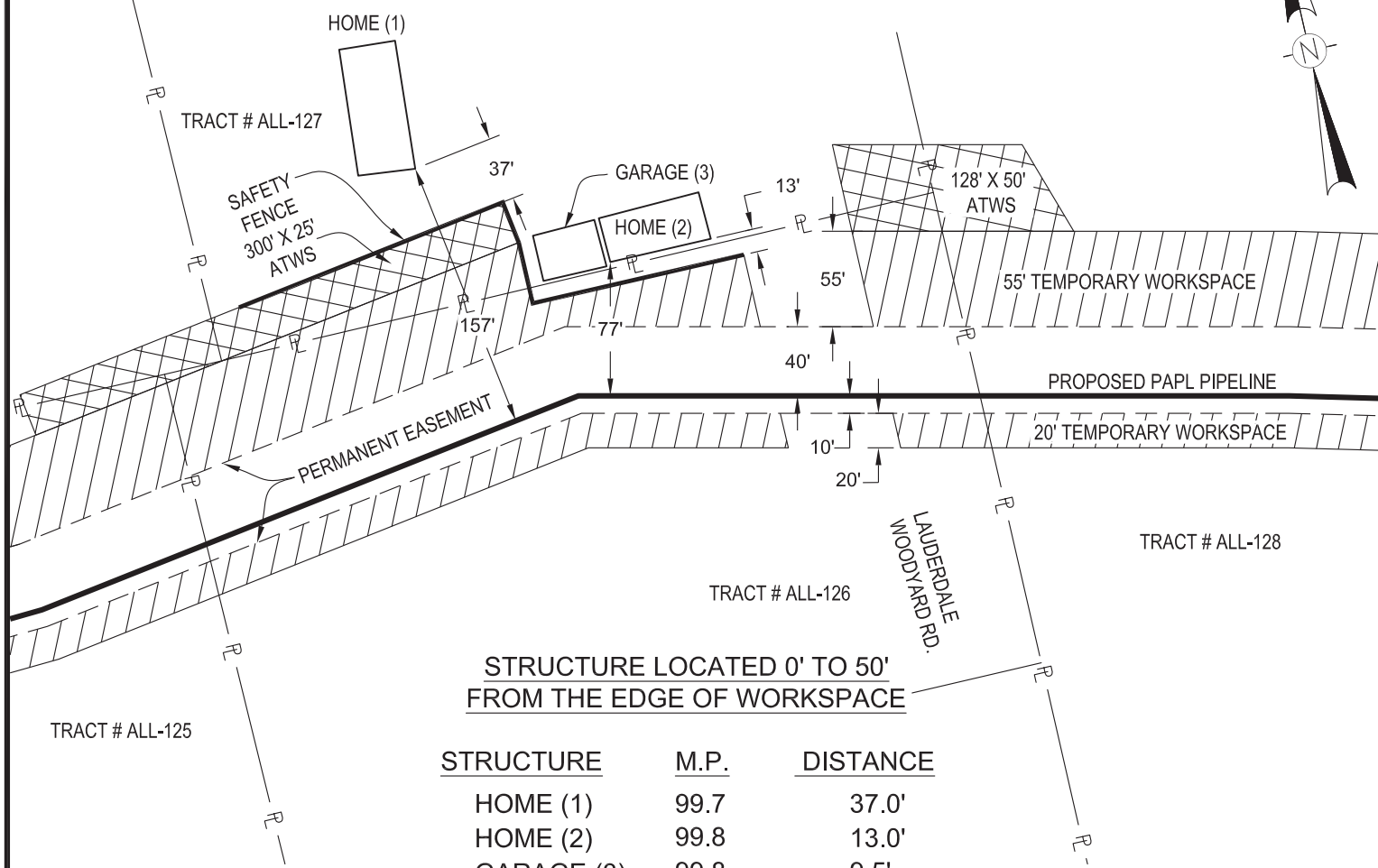
<p style="font-size: small;">A Subsidiary of Huntington Ingalls Industries</p>	PORT ARTHUR PIPELINE																																				
	RESIDENTIAL IMPLEMENTATION PLAN																																				
0' TO 50' OF WORK AREA - ALLEN PARISH, LOUISIANA																																					
					<table style="width: 100%; font-size: x-small;"> <tr> <td>DRAWN</td><td>JN</td><td>DATE</td><td>09/05/2017</td> </tr> <tr> <td>CHKD</td><td>GLE</td><td>DATE</td><td>09/05/2017</td> </tr> <tr> <td>APPD</td><td>CAS</td><td>DATE</td><td>09/05/2017</td> </tr> <tr> <td>JOB NO.</td><td>23707</td><td>SHEET</td><td>1 OF 1</td> </tr> <tr> <td>LOCATION</td><td>-----</td><td>STATE</td><td>LA</td> </tr> <tr> <td>SCALE</td><td>1"=100'</td><td>REV</td><td>A</td> </tr> <tr> <td>DWG NO.</td><td>23707-507-PLN-19002</td><td></td><td></td> </tr> <tr> <td>CLIENT JOB NO.</td><td>N/A</td><td></td><td></td> </tr> </table>	DRAWN	JN	DATE	09/05/2017	CHKD	GLE	DATE	09/05/2017	APPD	CAS	DATE	09/05/2017	JOB NO.	23707	SHEET	1 OF 1	LOCATION	-----	STATE	LA	SCALE	1"=100'	REV	A	DWG NO.	23707-507-PLN-19002			CLIENT JOB NO.	N/A		
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LOCATION	-----	STATE	LA																																		
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RESIDENTIAL IMPLEMENTATION PLAN

TRACT # ALL-125, TRACT # ALL-126

TRACT # ALL-127, TRACT # ALL-128



**STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE**

STRUCTURE	M.P.	DISTANCE
HOME (1)	99.7	37.0'
HOME (2)	99.8	13.0'
GARAGE (3)	99.8	9.5'

NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
3. CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.
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UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688



**PORT ARTHUR PIPELINE
RESIDENTIAL IMPLEMENTATION PLAN
0' TO 50' OF WORK AREA - ALLEN PARISH, LOUISIANA**



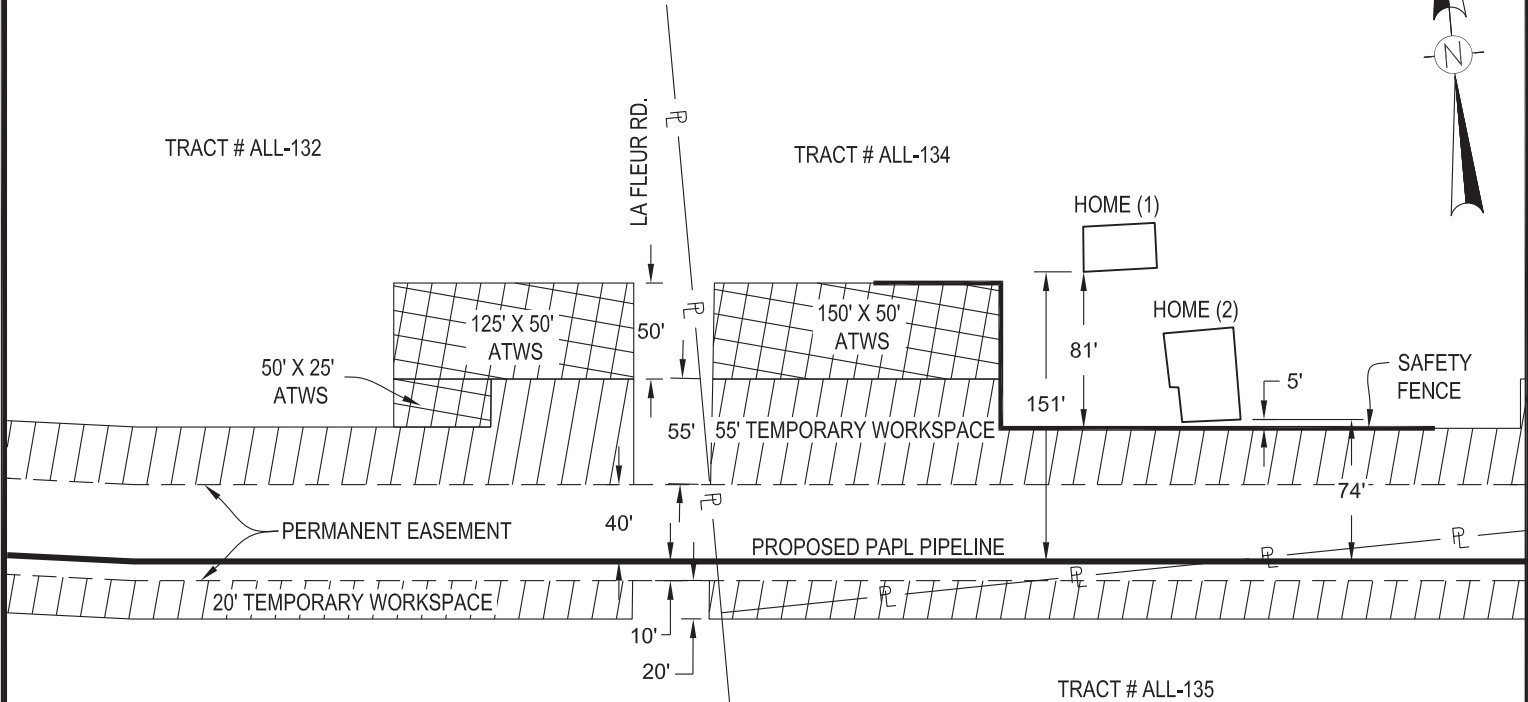
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RESIDENTIAL IMPLEMENTATION PLAN

TRACT # ALL-132, TRACT # ALL-134

TRACT # ALL-135



STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE

<u>STRUCTURE</u>	<u>M.P.</u>	<u>DISTANCE</u>
HOME (1)	103.7	81.0'
HOME (2)	103.7	5.0'

NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
3. CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.
4. INSTALL A SAFETY FENCE AT THE EDGE OF THE CONSTRUCTION ROW FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF THE RESIDENCE.
5. ATTEMPT TO LEAVE MATURE TREES AND LANDSCAPING INTACT WITHIN THE CONSTRUCTION WORK AREA, UNLESS THEY INTERFERE WITH INSTALLATION TECHNIQUES OR PRESENT UNSAFE WORKING CONDITIONS.
6. ENSURE PIPE IS WELDED, INSTALLED, AND BACKFILLED IN A TIMELY MANNER TO REDUCE THE CONSTRUCTION IMPACTS OF THE NEIGHBORHOOD.
7. BACKFILL THE TRENCH AS SOON AS PIPE IS INSTALLED, OR TEMPORARILY PLACE STEEL PLATES OVER THE TRENCH.
8. COMPLETE FINAL CLEANUP, GRADING, AND INSTALLATION OF PERMANENT EROSION CONTROL DEVICES WITHIN 10 DAYS AFTER BACKFILLING THE TRENCH, WEATHER PERMITTING.

UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688



PORT ARTHUR PIPELINE
RESIDENTIAL IMPLEMENTATION PLAN
0' TO 50' OF WORK AREA - ALLEN PARISH, LOUISIANA



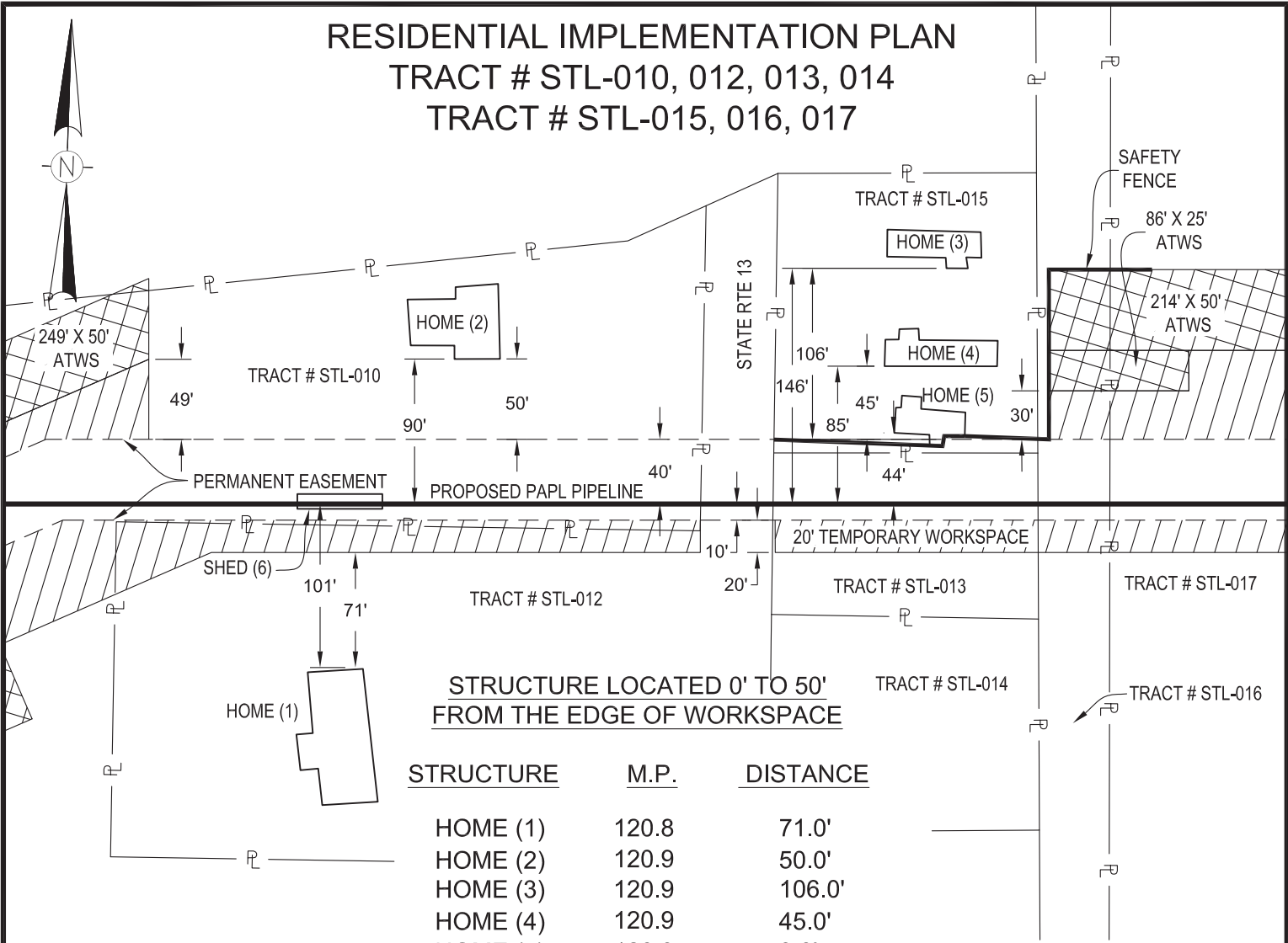
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RESIDENTIAL IMPLEMENTATION PLAN

TRACT # STL-010, 012, 013, 014

TRACT # STL-015, 016, 017



**STRUCTURE LOCATED 0' TO 50'
FROM THE EDGE OF WORKSPACE**

STRUCTURE	M.P.	DISTANCE
HOME (1)	120.8	71.0'
HOME (2)	120.9	50.0'
HOME (3)	120.9	106.0'
HOME (4)	120.9	45.0'
HOME (5)	120.9	0.0'
SHED (6)	120.8	0.0' * TO BE REMOVED

NOTES:

- TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
- ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
- FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

- ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
- INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
- CONSTRUCTION IN RESIDENTIAL AREAS THAT INVOLVES ITEMS SUCH AS THE REMOVAL OF FENCES, STONE WALLS, WATER SUPPLIES, DRIVE WAYS, SIDEWALKS OR SEPTIC SYSTEMS SHALL BE REPAIRED OR REPLACED.
- INSTALL A SAFETY FENCE AT THE EDGE OF THE CONSTRUCTION ROW FOR A DISTANCE OF 100 FEET ON EITHER SIDE OF THE RESIDENCE.
- ATTEMPT TO LEAVE MATURE TREES AND LANDSCAPING INTACT WITHIN THE CONSTRUCTION WORK AREA, UNLESS THEY INTERFERE WITH INSTALLATION TECHNIQUES OR PRESENT UNSAFE WORKING CONDITIONS.
- ENSURE PIPE IS WELDED, INSTALLED, AND BACKFILLED IN A TIMELY MANNER TO REDUCE THE CONSTRUCTION IMPACTS OF THE NEIGHBORHOOD.
- BACKFILL THE TRENCH AS SOON AS PIPE IS INSTALLED, OR TEMPORARILY PLACE STEEL PLATES OVER THE TRENCH.
- COMPLETE FINAL CLEANUP, GRADING, AND INSTALLATION OF PERMANENT EROSION CONTROL DEVICES WITHIN 10 DAYS AFTER BACKFILLING THE TRENCH, WEATHER PERMITTING.

UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688



**PORT ARTHUR PIPELINE
RESIDENTIAL IMPLEMENTATION PLAN
0' TO 50' OF WORK AREA - ST. LANDRY PARISH, LOUISIANA**

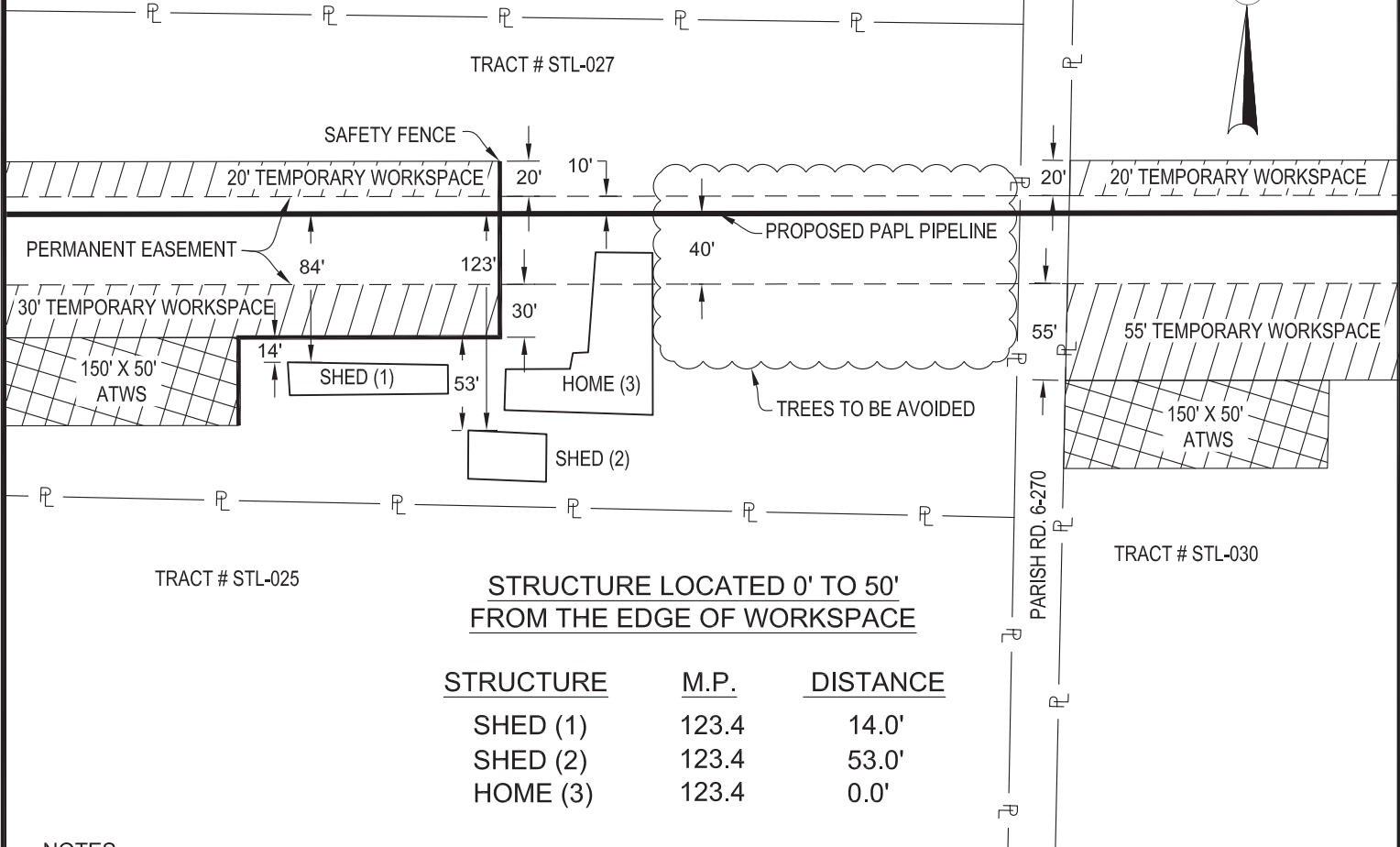
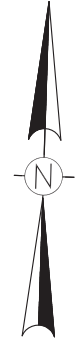


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						CAS	09/05/2017
						23707	1 OF 1
						-----	STATE LA
						1"=100'	REV A
						23707-507-PLN-19005	
						N/A	

RESIDENTIAL IMPLEMENTATION PLAN

TRACT # STL-025, TRACT # STL-027

TRACT # STL-030



STRUCTURE LOCATED 0' TO 50' FROM THE EDGE OF WORKSPACE

STRUCTURE	M.P.	DISTANCE
SHED (1)	123.4	14.0'
SHED (2)	123.4	53.0'
HOME (3)	123.4	0.0'

NOTES:

1. TRUE ORIENTATION OF STRUCTURE TO THE CENTERLINE OF THE PROPOSED PIPELINE MAY DIFFER FROM THAT SHOWN.
2. ADDITIONAL CONSTRUCTION LIMITATIONS/INSTRUCTIONS FOR THIS TRACT MAY BE DEFINED UNDER SPECIAL CONSTRUCTION PROVISIONS OF THE RIGHT-OF-WAY LINE LIST.
3. FOR ADDITIONAL CONSTRUCTION PROCEDURES, SEE RESIDENTIAL/STRUCTURAL IMPLEMENTATION PLAN NOTES.

SITE SPECIFIC RESIDENTIAL/STRUCTURAL CONSTRUCTION TECHNIQUES

PREFERRED TECHNIQUE

1. ELIMINATE TEMPORARY WORK SPACE WITH A MINIMUM DISTANCE OF 10 FEET BEYOND NEAREST POINT OF STRUCTURE.
2. INSTALL AND MAINTAIN SAFETY FENCE ALONG EDGE OF THE TEMPORARY WORK SPACE AREA, SAFETY FENCE TO EXTEND AT LEAST 100 FEET BEYOND THE EXTREMES OF THE STRUCTURES.
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UNIVERSAL ENSCO, INC. - LOUISIANA ENGINEERING
FIRM LIC. # EF.0001688



PORT ARTHUR PIPELINE RESIDENTIAL IMPLEMENTATION PLAN 0' TO 50' OF WORK AREA - ST. LANDRY PARISH, LOUISIANA

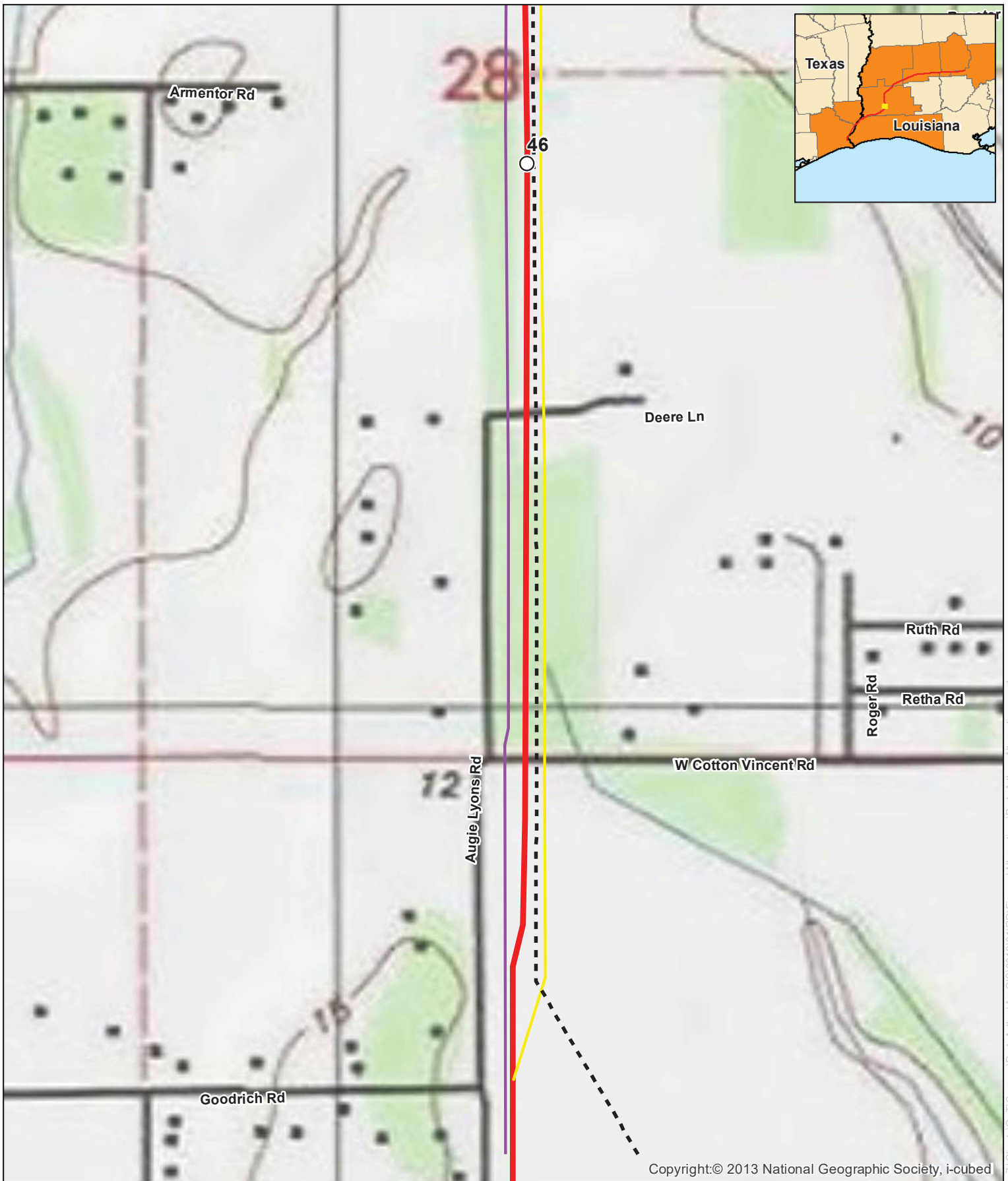


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						CAS	09/05/2017
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						1"=100'	REV A
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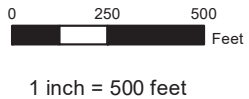
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APPENDIX G

DRIFTWOOD ALTERNATIVE



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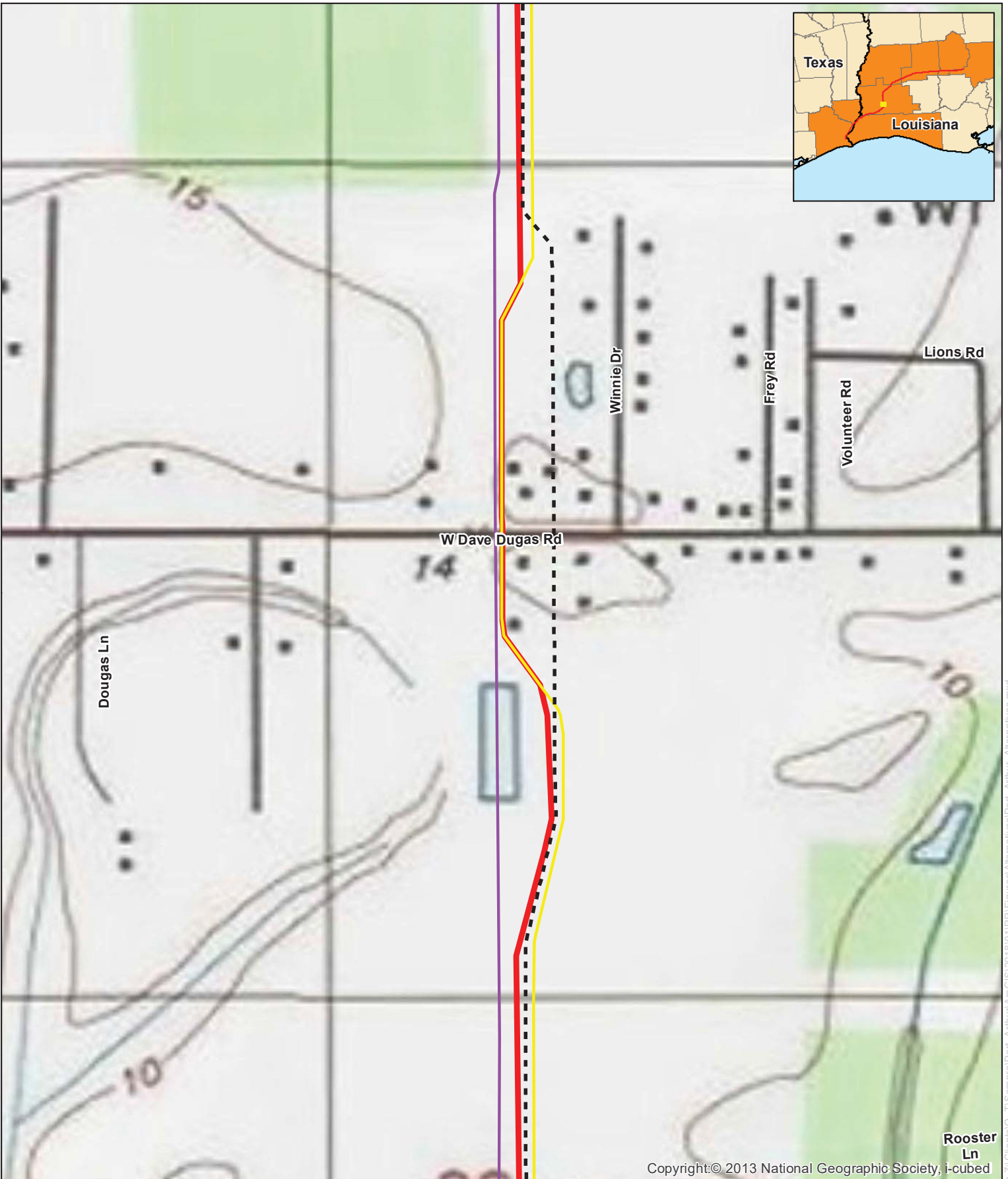


For Environmental Review Purposes Only Map 1 of 13

Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

Date: (9/13/2018) Source: Z:\Clients\Q_T\Sempra\Port_Art\Map\GIS\2018\01\RR\Figures\Alternatives\Port_Art\Map_Alt\Alternatives.mxd



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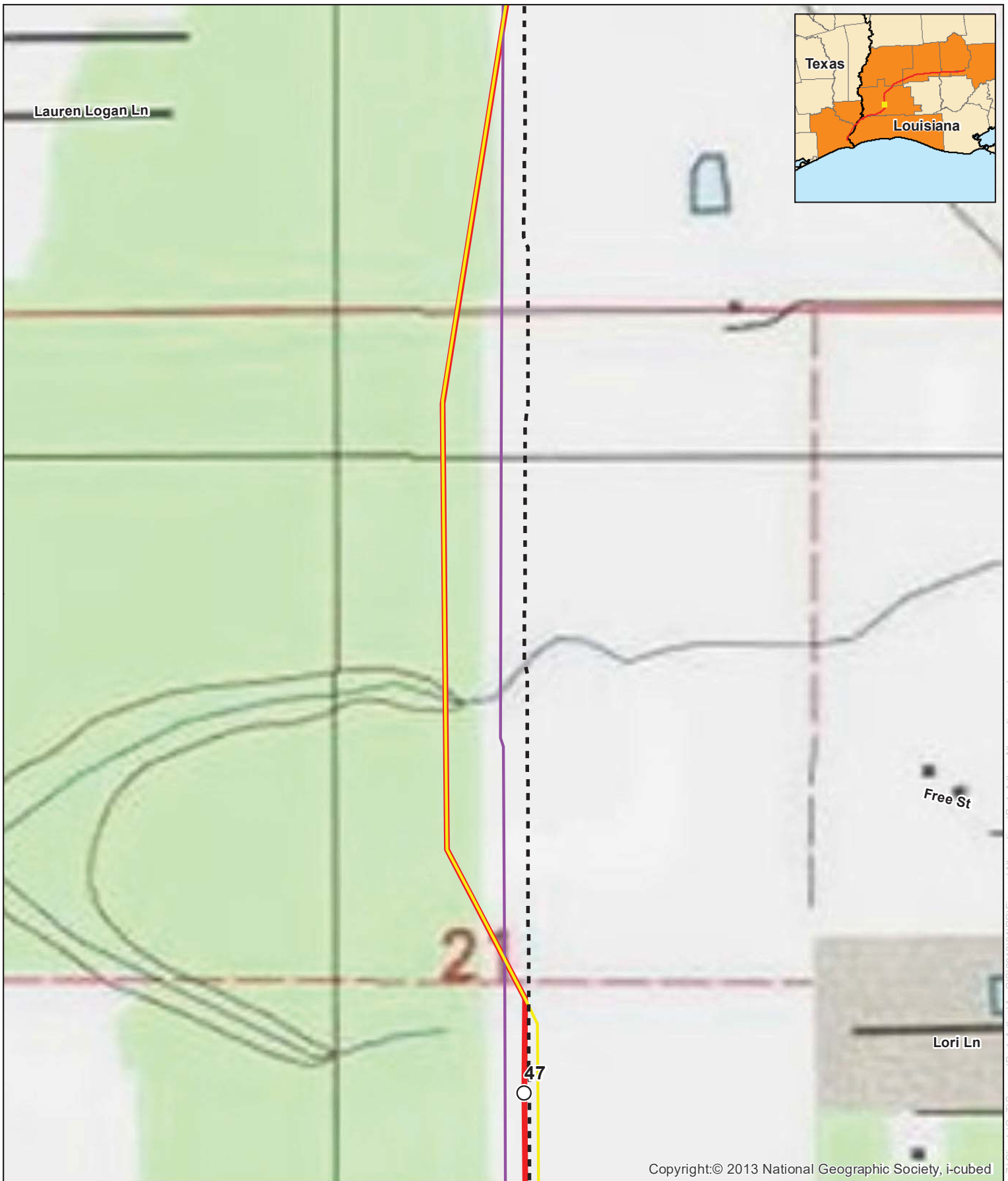
1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

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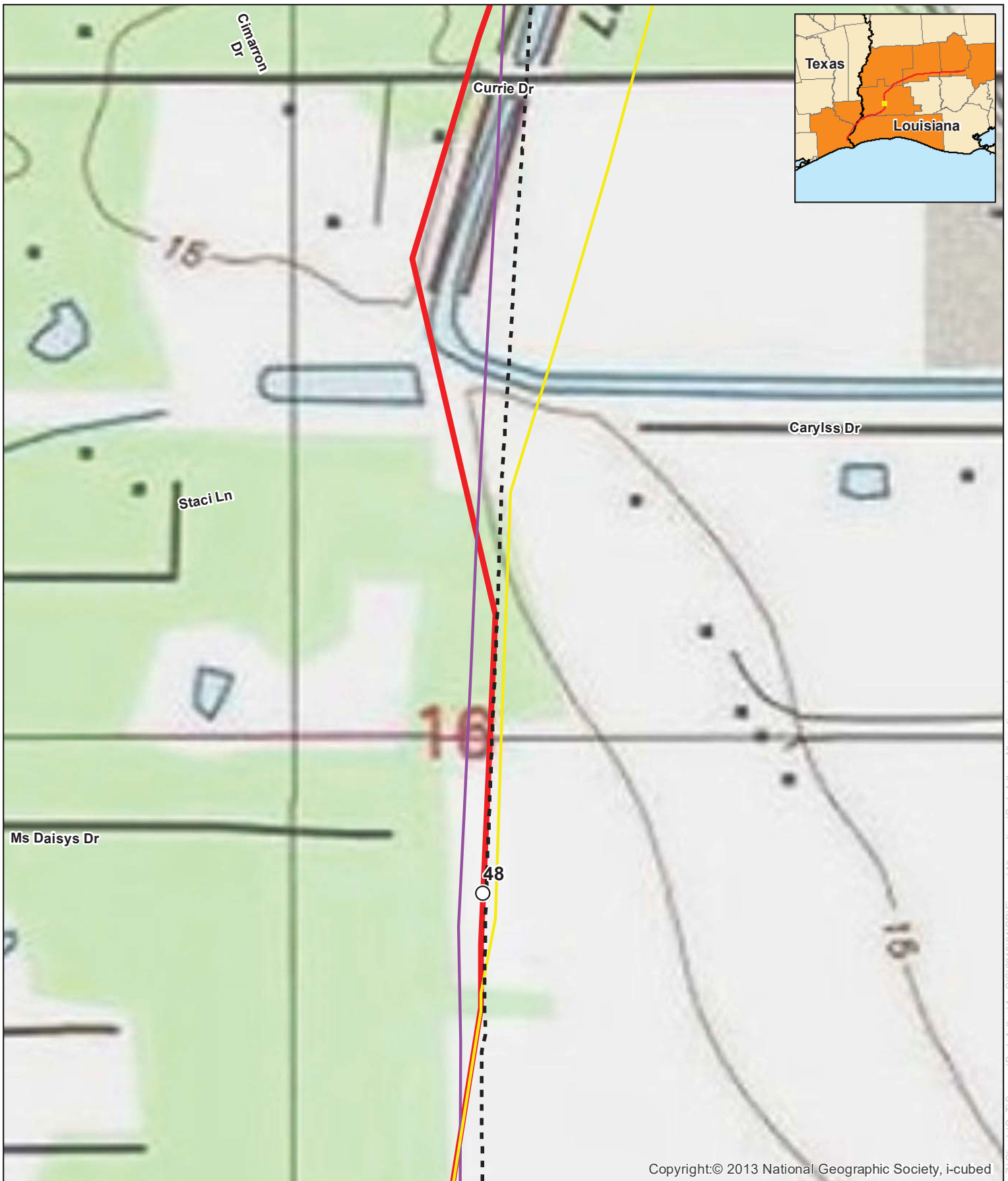
1 inch = 500 feet



For Environmental Review Purposes Only Map 3 of 13

Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



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Source: Z:\Clients\Q_T\Sempra\Port_Arthur\AcGIS\2010\101\RR\Figures\Alternatives\Port_Arthur_Alternatives.mxd Date: (9/19/2018)



1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

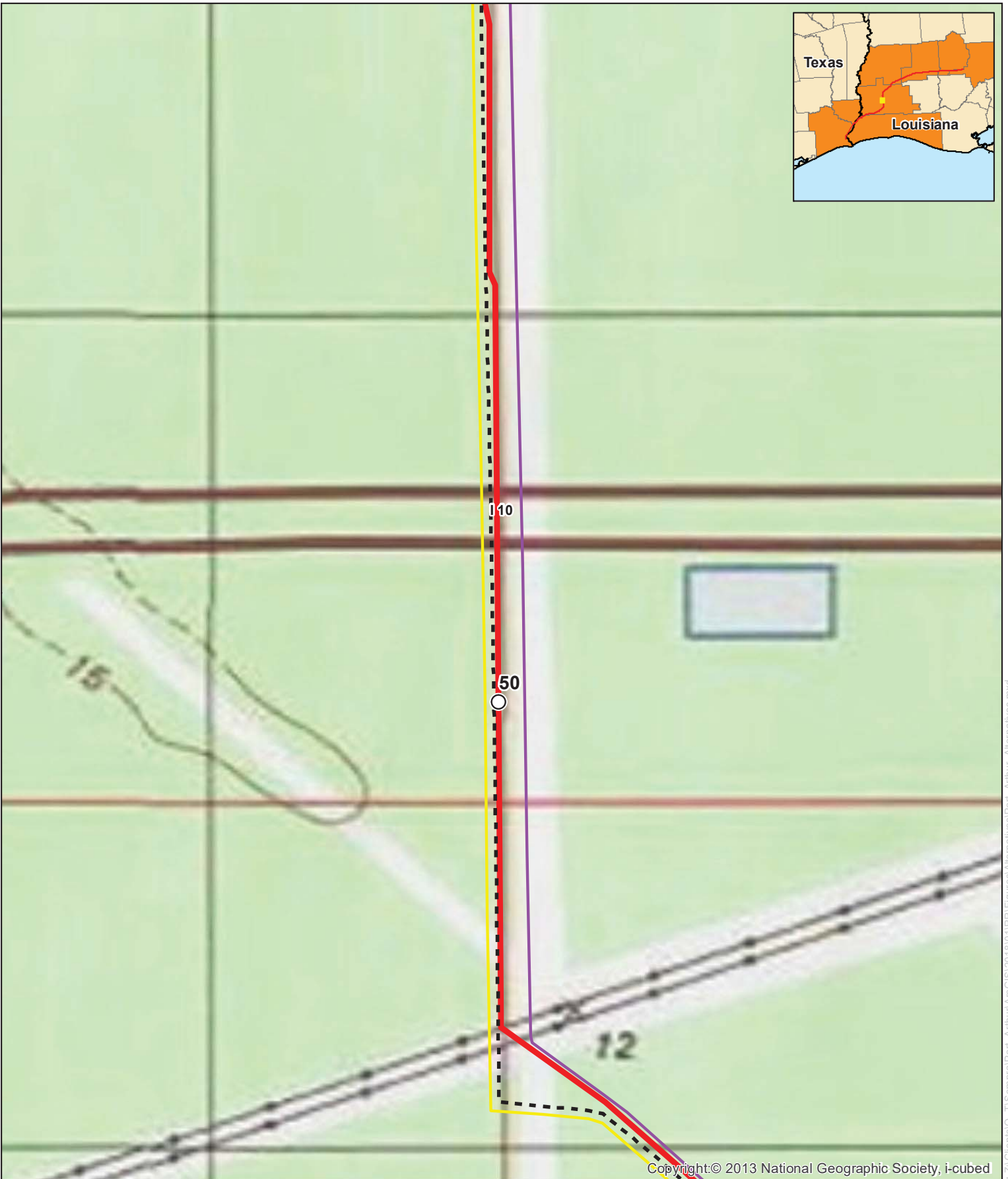


0 250 500 Feet
1 inch = 500 feet

For Environmental Review Purposes Only Map 5 of 13

Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



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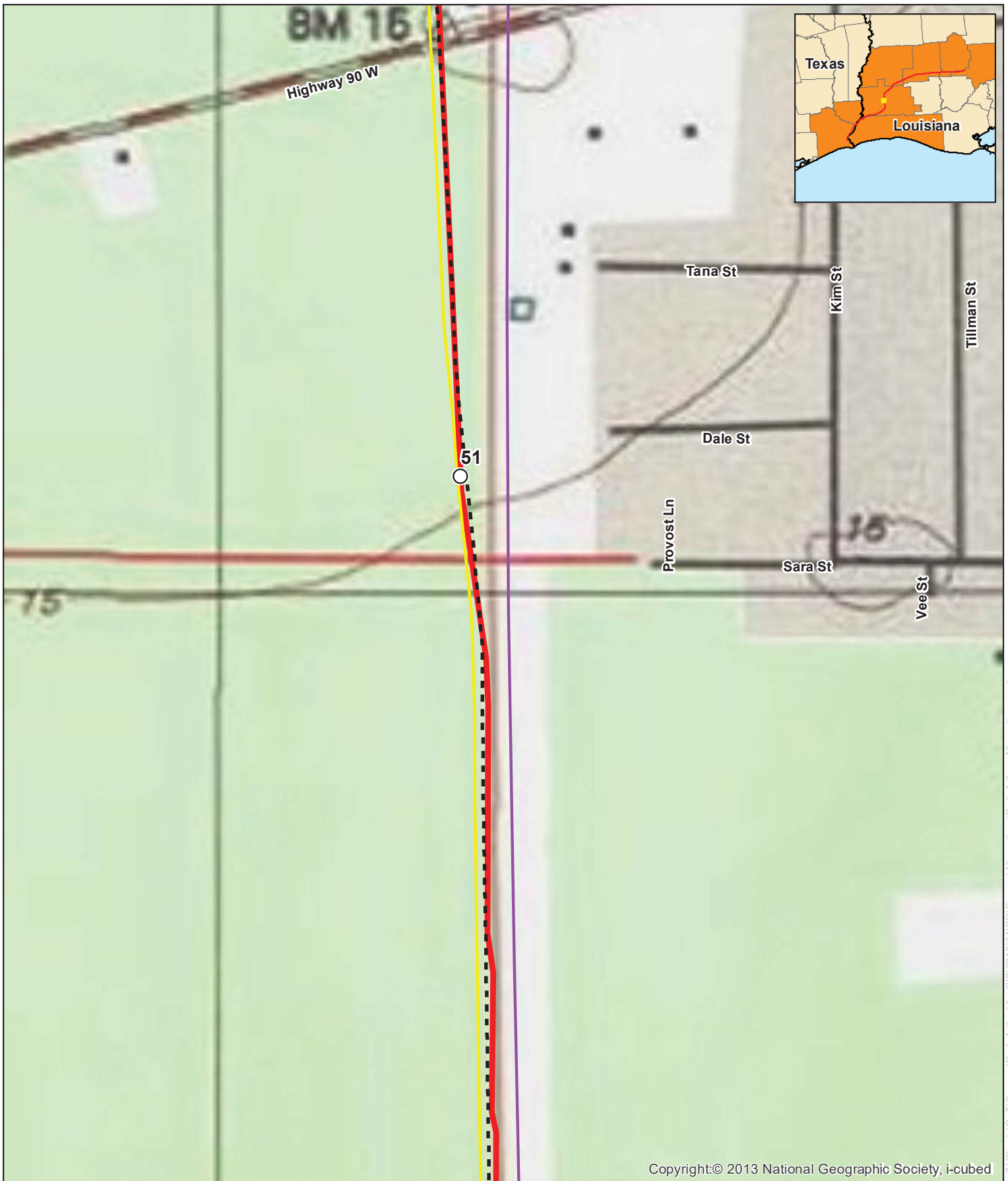
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1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



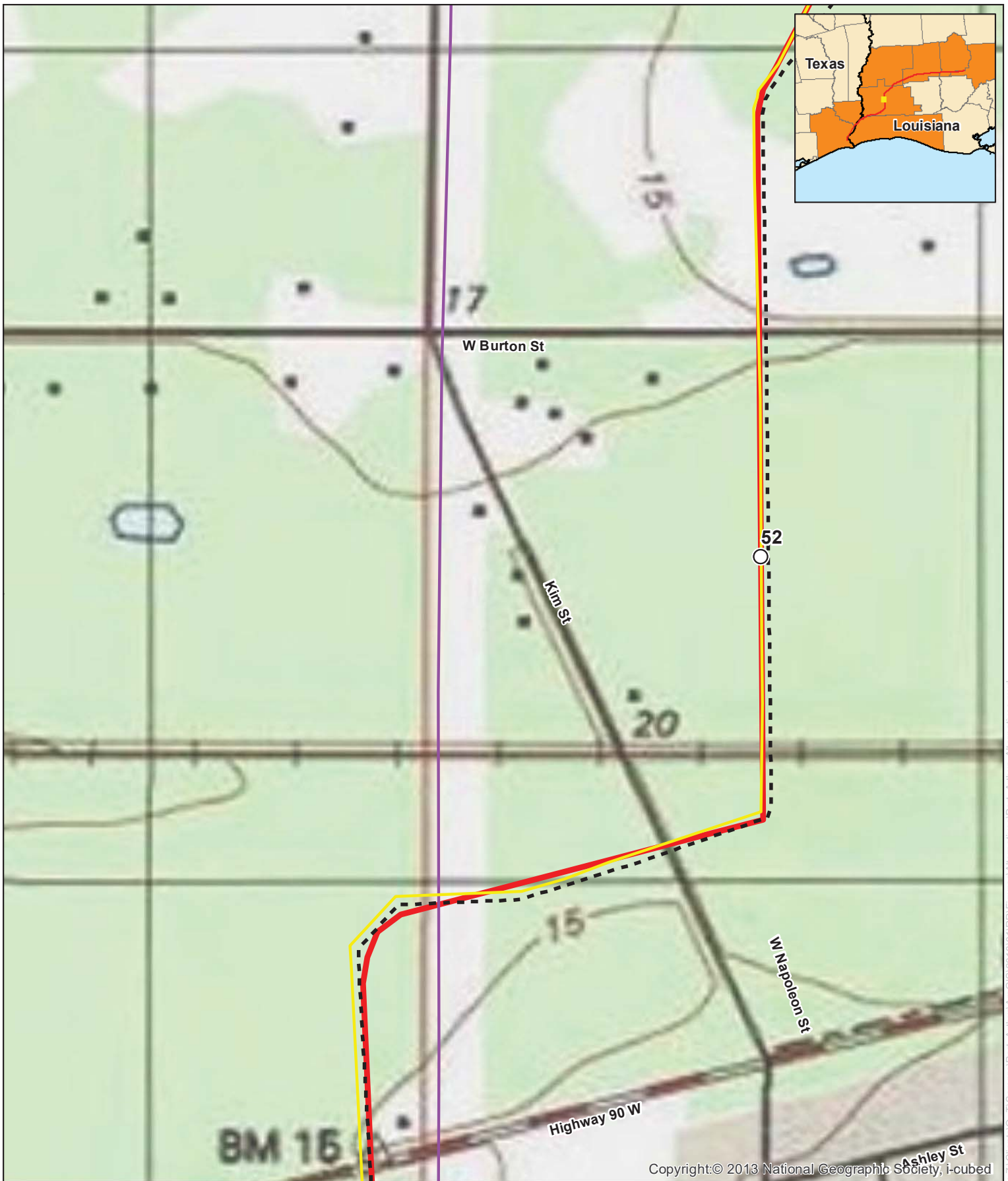
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1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



0 250 500 Feet

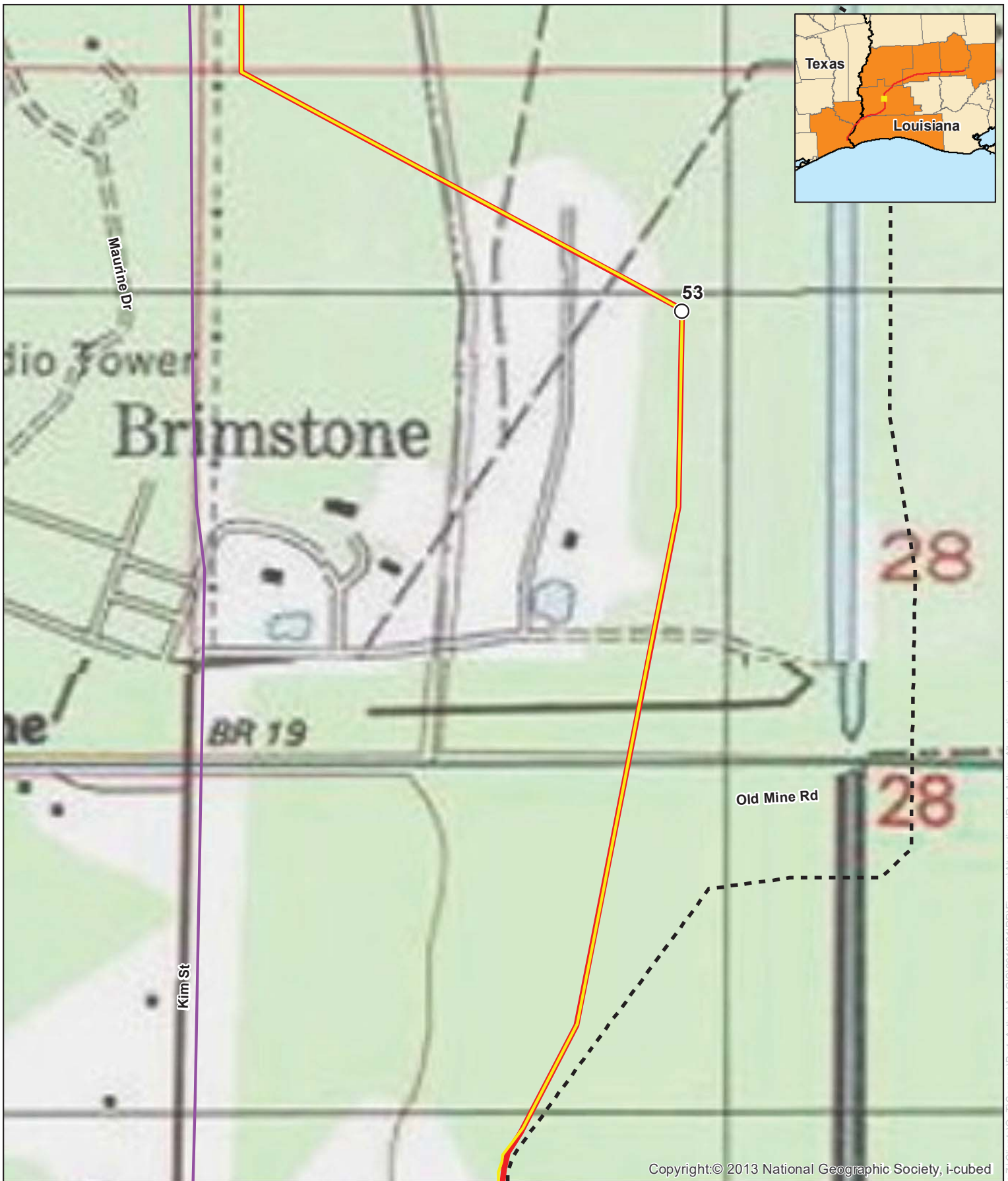
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For Environmental Review Purposes Only Map 8 of 13

Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

Source: Z:\Clients\Q_T\Sempra\Port_Art\ArcGIS\2010\101\RRR\Figures\Alternatives\Port_Art\Alt_Alternatives.mxd Date: 01/13/2018



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0 250 500 Feet

1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



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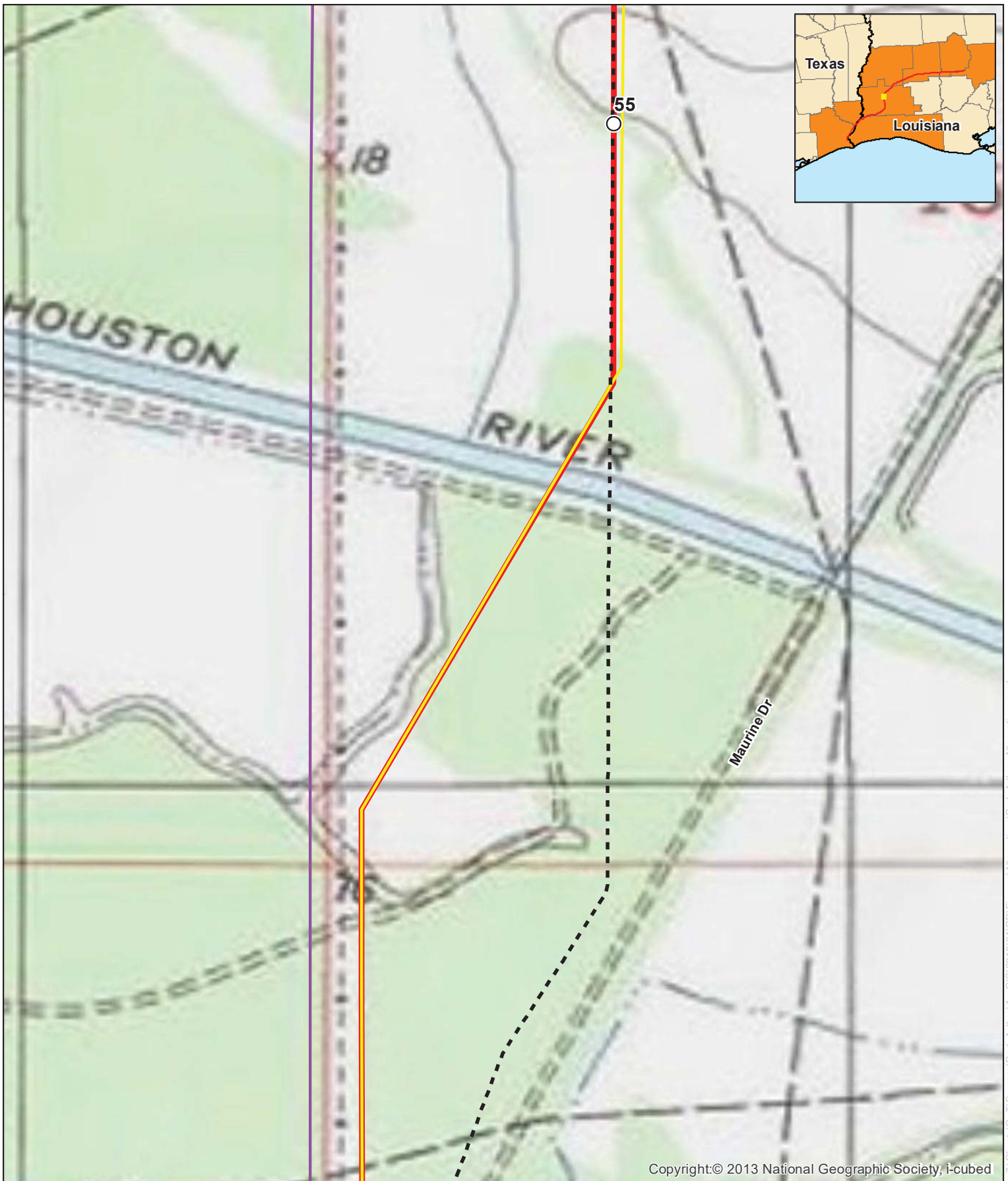
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1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



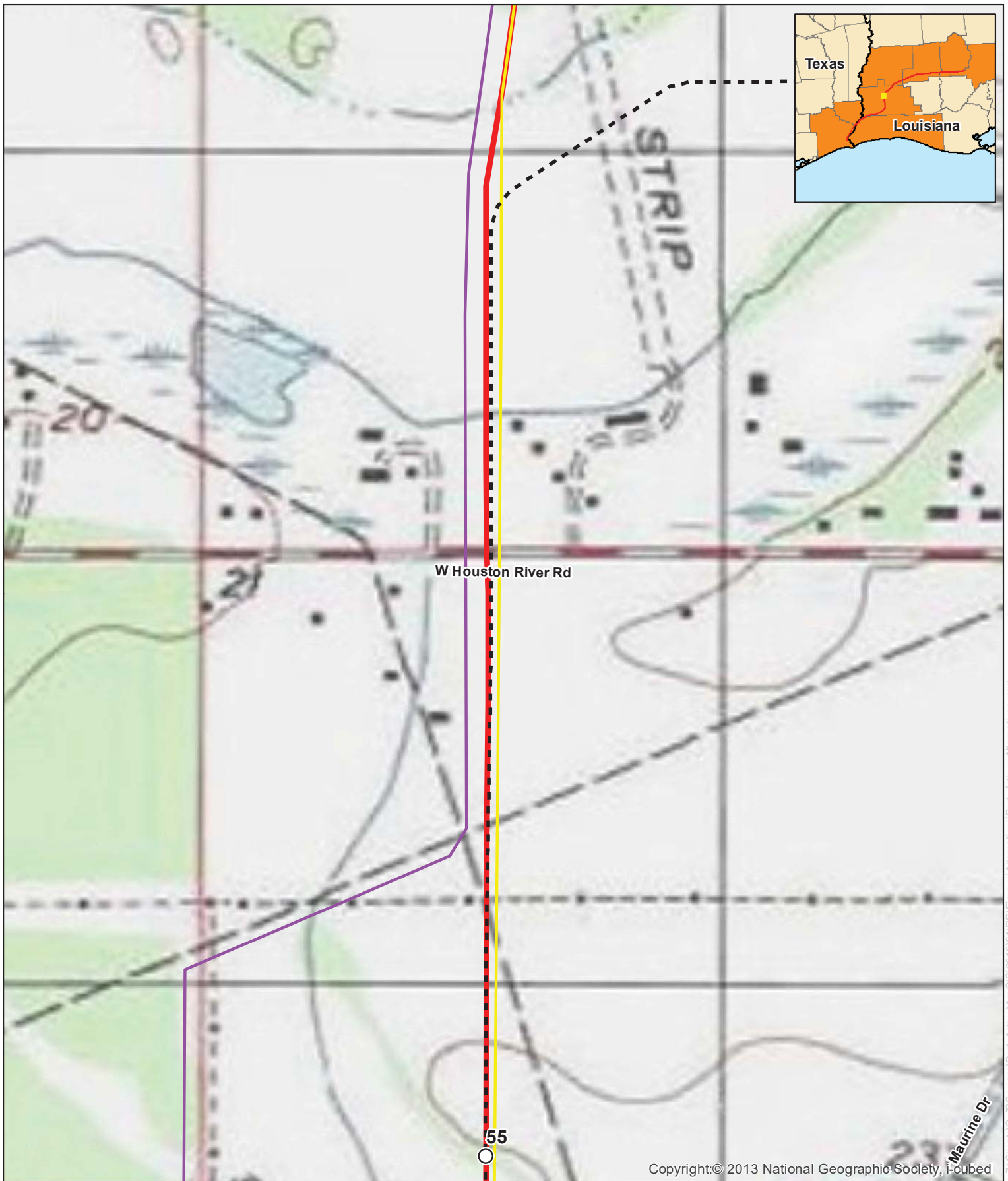
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Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

0 250 500
Feet
1 inch = 500 feet





W Houston River Rd

55

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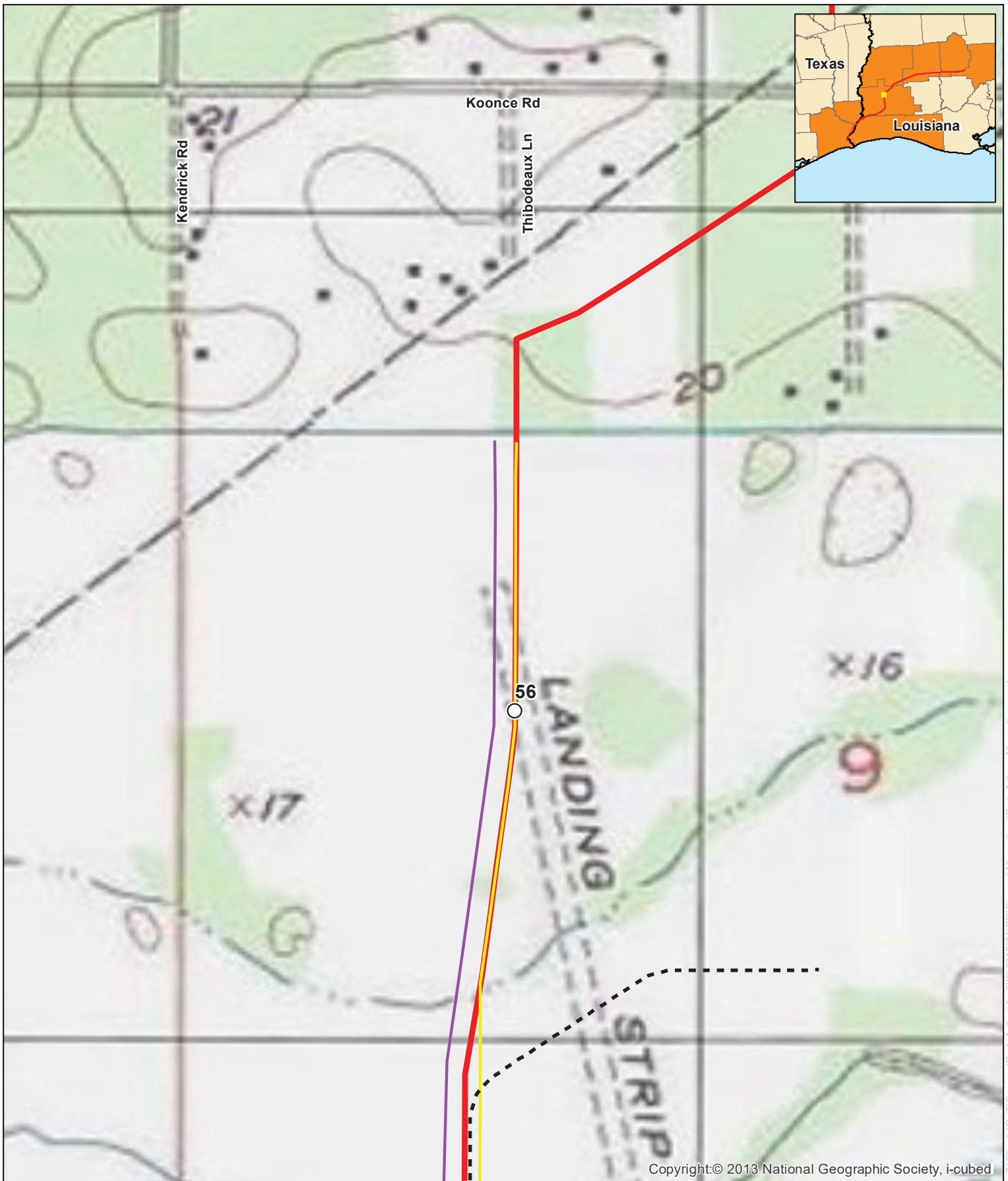
0 250 500 Feet

1 inch = 500 feet



Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route



For Environmental Review Purposes Only Map 13 of 13

Appendix G Driftwood Alternative

- Milepost
- LA Connector Project
- - - Driftwood Route
- Driftwood Alternative
- Existing Sempra CIP Route

APPENDIX H

MINERAL RESOURCES WITHIN 0.25 MILE OF THE PROJECTS

APPENDIX H

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
TEXAS			
Liquefaction Facility	NA	0.0	Dry Well
	NA	0.0	Dry Well
	NA	0.0	Natural Gas – Abandoned
	NA	0.0	Dry Well
Texas Connector North Pipeline	4.4	185.6	Natural Gas
	6.4	4,726.5	Natural Gas
	6.5	4,855.9	Natural Gas
	6.5	4,880.9	Crude Oil
	9.6	648.7	Crude Oil
	9.6	380.2	Natural Gas
	11.4	2,182.1	Natural Gas
	11.4	2,345.2	Natural Gas
	11.6	2,682.2	Natural Gas
	11.6	478.5	Natural Gas
	12.3	1,148.8	Natural Gas
	12.9	484.3	Natural Gas
	18.9	4,839.2	Crude Oil
	18.9	4,506.2	Crude Oil
	18.9	4,095.2	Crude Oil
	18.9	4,033.5	Crude Oil
	18.9	4,073.5	Crude Oil
	18.9	4,306.4	Crude Oil
	18.9	2,095.5	Crude Oil
	18.9	1,431.5	Crude Oil
	18.9	1,988.7	Crude Oil
	18.9	2,470.0	Crude Oil
	18.9	2,200.7	Crude Oil
	18.9	2,546.6	Crude Oil
	18.9	2,380.6	Crude Oil
	18.9	2,673.3	Crude Oil
	18.9	1,904.5	Crude Oil
	18.9	3,413.1	Crude Oil
	18.9	2,474.9	Crude Oil
	18.9	2,627.3	Crude Oil
	18.9	2,918.3	Crude Oil
	18.9	3,540.5	Crude Oil
	18.9	1,912.3	Crude Oil
18.9	3,168.1	Crude Oil	
18.9	836.7	Crude Oil	
18.9	4,300.6	Crude Oil	
18.9	1,434.7	Crude Oil	
18.9	4,607.4	Natural Gas	
18.9	4,553.3	Crude Oil	
18.9	3,651.2	Crude Oil	
18.9	3,894.2	Crude Oil	
18.9	4,249.5	Crude Oil	
18.9	3,897.6	Crude Oil	
18.9	3,065.6	Crude Oil	
18.9	2,249.8	Crude Oil	
18.9	3,284.9	Crude Oil	
18.9	2,813.7	Crude Oil	
18.9	2,479.9	Crude Oil	

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
	18.9	3,162.7	Crude Oil
	18.9	3,567.2	Crude Oil
	18.9	2,942.8	Crude Oil
	18.9	1,751.6	Crude Oil
	18.9	2,852.1	Crude Oil
	18.9	2,038.3	Crude Oil
	18.9	2,218.6	Crude Oil
	18.9	2,257.3	Crude Oil
	18.9	2,334.5	Crude Oil
	18.9	3,278.6	Natural Gas
	18.9	3,977.2	Crude Oil
	18.9	4,503.9	Crude Oil
	18.9	3,999.6	Crude Oil
	18.9	4,076.8	Crude Oil
	18.9	4,260.0	Crude Oil
	18.9	3,654.5	Crude Oil
	18.9	4,194.4	Crude Oil
	18.9	3,849.3	Crude Oil
	18.9	4,040.3	Crude Oil
	18.9	1,646.0	Crude Oil
	19.0	1,600.3	Crude Oil
	19.0	1,504.7	Crude Oil
	19.0	1,509.2	Crude Oil
	19.0	808.8	Crude Oil
	19.2	757.1	Crude Oil
	19.2	332.4	Crude Oil
	19.2	615.5	Crude Oil
	19.2	1,172.3	Crude Oil
	19.3	931.7	Crude Oil
	19.3	117.1	Crude Oil
	19.3	1,302.7	Crude Oil
	19.3	1,473.7	Crude Oil
	19.3	1,938.1	Crude Oil
	19.3	1,510.7	Crude Oil
	19.3	118.1	Crude Oil
	19.3	1,543.1	Crude Oil
	19.3	1,341.1	Crude Oil
	19.4	1,418.1	Crude Oil
	19.4	1,237.9	Crude Oil
	19.4	408.4	Crude Oil
	19.4	553.5	Crude Oil
	19.4	2,081.3	Crude Oil
	19.4	1,043.1	Crude Oil
	19.4	959.9	Crude Oil
	19.4	2,491.1	Crude Oil
	19.5	452.9	Crude Oil
	19.6	1,042.9	Crude Oil
	19.6	877.8	Crude Oil
	19.6	1,140.6	Crude Oil
	19.6	1,197.5	Crude Oil
	19.6	1,307.1	Crude Oil
	19.6	1,243.8	Crude Oil
	13.0	114	Sand and gravel
	21.1	141	Halite, sulfur, limestone

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
Texas Connector South Pipeline	3.6	1,178.1	Natural Gas
KMPL Lateral	0.0	420.9	Water
FGT Lateral	0.0	416.2	Crude Oil
	0.3	553.3	Crude Oil
	0.4	382.9	Crude Oil
	0.5	1,028.0	Natural Gas and Crude Oil
	0.6	450.9	Crude Oil
	0.6	1,097.5	Natural Gas and Crude Oil
	0.7	1,118.0	Natural Gas and Crude Oil
	0.7	465.2	Natural Gas and Crude Oil
	0.8	951.5	Natural Gas
	0.9	633.4	Natural Gas and Crude Oil
GTS Lateral	0.6	1,281.8	Crude Oil
	0.6	973.9	Crude Oil
	0.6	1,329.8	Crude Oil
	0.6	1,183.7	Crude Oil
	0.7	577.5	Crude Oil
	0.7	1,002.7	Crude Oil
	0.7	798.5	Crude Oil
	0.7	930.7	Crude Oil
	0.7	745.9	Crude Oil
	0.7	876.9	Natural Gas
	0.7	729.8	Crude Oil
	0.7	635.4	Crude Oil
	0.7	376.9	Crude Oil
	1.1	814.8	Crude Oil
	1.2	1,326.5	Crude Oil
	1.2	1,265.9	Crude Oil
	1.3	1,345.1	Crude Oil
	1.3	2,264.4	Crude Oil
	1.3	2,461.6	Crude Oil
	1.3	200.1	Crude Oil
	1.3	2,317.8	Natural Gas
	1.3	582.6	Crude Oil
	1.3	679.9	Crude Oil
	1.3	1,496.1	Crude Oil
	1.3	1,443.7	Crude Oil
	1.3	682.3	Crude Oil
	1.3	1,494.9	Crude Oil
	1.3	1,349.8	Crude Oil
	1.3	4,277.0	Crude Oil
	1.3	4,482.1	Crude Oil
	1.3	4,352.8	Crude Oil
	1.3	4,394.9	Crude Oil
	1.3	888.2	Crude Oil
	1.3	4,629.6	Crude Oil
	1.3	720.6	Crude Oil
	1.3	4,661.5	Crude Oil
	1.3	4,462.6	Crude Oil
	1.3	4,321.3	Crude Oil
	1.3	1,403.2	Crude Oil
	1.3	1,281.1	Crude Oil
	1.3	764.0	Crude Oil
	1.3	1,320.0	Crude Oil
	1.3	1,229.5	Crude Oil

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
	1.3	1,676.6	Crude Oil
	1.3	808.9	Crude Oil
	1.3	1,728.5	Crude Oil
	1.3	970.5	Crude Oil
	1.3	814.2	Crude Oil
	1.3	1,570.9	Crude Oil
	1.3	877.2	Crude Oil
	1.3	1,457.2	Crude Oil
	1.3	1,659.6	Crude Oil
	1.3	1,777.6	Crude Oil
	1.3	1,467.6	Crude Oil
	1.3	1,507.3	Crude Oil
	1.3	823.7	Crude Oil
	1.3	1,746.3	Crude Oil
	1.3	734.3	Crude Oil
	1.3	711.8	Crude Oil
	1.3	1,416.0	Crude Oil
	1.3	1,629.3	Crude Oil
	1.3	1,466.0	Crude Oil
	1.3	1,351.1	Crude Oil
	1.3	1,590.9	Crude Oil
	1.3	1,643.7	Crude Oil
	1.3	696.1	Crude Oil
	1.3	1,351.1	Crude Oil
	1.3	1,532.6	Crude Oil
	1.3	1,574.2	Crude Oil
	1.3	1,379.7	Crude Oil
	1.3	1,470.0	Crude Oil
	1.3	1,611.8	Crude Oil
	1.3	1,614.5	Crude Oil
	1.3	1,566.0	Crude Oil
	1.3	1,152.2	Crude Oil
	1.3	1,402.9	Crude Oil
	1.3	1,369.4	Crude Oil
	1.3	1,157.0	Crude Oil
	1.3	4,123.2	Crude Oil
	1.3	4,226.8	Crude Oil
	1.3	4,368.2	Crude Oil
	1.3	3,953.9	Crude Oil
	1.3	1,985.4	Crude Oil
	1.3	4,319.3	Crude Oil
	1.3	1,590.8	Crude Oil
HPL Lateral	0.0	1,179.4	Crude Oil
Non-jurisdictional Facilities	NA	NA	NA
Louisiana Connector			
TETCO Lateral	0.0	338.7	Unknown
	0.0	1,224.4	Crude Oil
	0.1	361.1	Crude Oil
LOUISIANA			
Texas Connector South Pipeline	0.2	917.2	Natural Gas
	0.2	875.3	Natural Gas
Louisiana Connector Mainline	19.0	1,291.6	Unknown

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
	29.7	699.8	Unknown
	32.9	548.3	Unknown
	33.1	274.7	Unknown
	38.8	813.2	Unknown
	39.1	1,179.9	Unknown
	39.2	837.1	Natural Gas
	39.2	1,129.1	Unknown
	40.2	74.3	Unknown
	41.5	1,120.0	Unknown
	43.1	1,171.8	Unknown
	47.6	1,122.1	Unknown
	48.1	554.9	Unknown
	48.4	676.5	Unknown
	51.6	899.6	Unknown
	51.8	173.3	Unknown
	53.1	1,010.5	Crude Oil
	53.4	1,196.3	Unknown
	53.4	620.5	Crude Oil
	53.5	1,187.1	Crude Oil
	53.5	964.4	Natural Gas
	54.7	124.0	Unknown
	56.6	915.9	Unknown
	56.6	901.7	Unknown
	57.3	192.1	Unknown
	57.6	519.9	Unknown
	57.9	1,055.9	Unknown
	59.4	958.7	Unknown
	61.6	416.2	Unknown
	61.6	788.3	Unknown
	63.2	1,085.1	Unknown
	64.1	435.6	Unknown
	64.5	727.7	Natural Gas
	64.6	586.9	Crude Oil
	64.7	1,064.9	Unknown
	64.8	1,027.7	Unknown
	65.1	351.3	Unknown
	66.4	265.2	Unknown
	67.4	231.3	Unknown
	67.6	1,129.0	Unknown
	70.5	732.9	Unknown
	71.4	656.8	Crude Oil
	71.4	658.6	Unknown
	72.6	505.7	Unknown
	73.3	896.7	Unknown
	73.3	832.4	Unknown
	74.0	110.7	Unknown
	76.4	143.3	Unknown
	78.1	1,085.6	Unknown
	78.2	1,020.4	Natural Gas

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
	79.3	48.4	Unknown
	80.7	363.2	Unknown
	80.8	899.1	Unknown
	81.5	312.2	Unknown
	81.8	2.5	Crude Oil
	81.8	1,209.4	Unknown
	82.0	19.3	Crude Oil
	82.2	150.7	Natural Gas
	82.4	410.8	Crude Oil
	82.7	915.1	Crude Oil
	83.0	1,027.5	Crude Oil
	83.0	229.3	Crude Oil
	83.5	1,308.7	Unknown
	83.5	653.4	Crude Oil
	83.7	724.0	Crude Oil
	84.1	211.0	Unknown
	84.2	1,222.4	Unknown
	84.4	408.5	Unknown
	84.5	1,289.1	Unknown
	84.8	1,107.2	Unknown
	85.2	915.9	Crude Oil
	85.7	902.4	Unknown
	85.9	278.6	Natural Gas
	86.0	699.9	Natural Gas
	86.1	512.6	Unknown
	86.2	329.2	Natural Gas
	86.3	508.6	Natural Gas
	86.4	1,208.0	Natural Gas
	86.5	337.8	Unknown
	86.5	176.3	Unknown
	86.6	876.6	Unknown
	86.6	852.1	Crude Oil
	86.6	408.5	Natural Gas
	86.7	683.5	Crude Oil
	86.8	799.5	Unknown
	86.8	185.5	Natural Gas
	86.9	506.2	Unknown
	87.0	606.0	Unknown
	87.2	334.1	Unknown
	87.2	104.7	Natural Gas
	87.4	898.1	Natural Gas
	88.0	500.6	Unknown
	92.1	830.3	Natural Gas
	100.3	845.8	Unknown
	105.2	617.3	Unknown
	106.2	1,201.2	Unknown
	107.2	1,306.5	Unknown
	109.9	807.2	Unknown
	110.8	928.0	Unknown

APPENDIX H (cont'd)

Mineral Resources within 0.25 mile of the Projects

Project, State, Component	Milepost (mile) ^a	Distance from Project (mile)	Resource Type
	111.6	61.9	Unknown
	112.1	904.7	Natural Gas
	112.5	1,195.2	Unknown
	113.1	918.6	Unknown
	113.4	364.8	Unknown
	114.2	429.0	Unknown
	114.2	625.8	Unknown
	114.7	140.8	Unknown
	114.7	618.3	Unknown
	114.9	751.2	Crude Oil
	114.9	549.6	Crude Oil
	115.1	467.3	Unknown
	115.1	488.0	Unknown
	115.4	943.3	Natural Gas
	115.7	1,230.3	Unknown
	117.5	1,034.5	Unknown
	120.3	657.4	Unknown
	121.7	82.9	Unknown
	124.0	306.5	Unknown
	125.1	670.7	Unknown
	125.2	1,153.0	Unknown
	126.4	847.7	Unknown
	127.5	1,195.1	Unknown
	127.7	136.1	Unknown
	127.7	389.9	Natural Gas
	127.8	852.0	Unknown
	127.9	1,313.8	Unknown
	128.2	238.8	Unknown
	128.2	1,256.9	Unknown
	130.4	961.7	Unknown

Source: USGS, 2016b.

APPENDIX I

SURFACE WATERBODIES CROSSED BY THE TEXAS CONNECTOR AND LOUISIANA CONNECTOR PROJECTS

**SURFACE WATERBODIES CROSSED BY THE
TEXAS CONNECTOR PROJECT**

APPENDIX I.1

Surface Waterbodies Crossed by the Texas Connector Project

County/Parish, State, Milepost	Waterbody Name	Flow Type ^a	Crossing Length (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Crossing Method
Northern Pipeline						
Jefferson County, Texas						
1.7	Intracoastal Waterway	E	425.9	PCR1, H	WWMF	HDD
1.6	Intracoastal Waterway	E	441.9	PCR1, H	WWMF	HDD
2.5	Taylor Bayou	P	790.5	PCR1, H	WWMF	HDD
2.8	Unnamed	P	54.8	NA	WWFF	Push
2.9	Unnamed	P	47.1	NA	WWFF	Push
5.0	Unnamed	P	1,133.6	NA	WWFF	HDD
5.3	Unnamed	P	74.0	NA	WWFF	HDD
5.3	Unnamed	P	63.6	NA	WWFF	HDD
5.6	Unnamed	P	29.0	NA	WWFF	HDD
5.7	Unnamed	P	51.4	NA	WWFF	HDD
7.9	Unnamed	E	23.9	NA	WWFF	HDD
8.4	Unnamed	E	10.3	NA	WWFF	HDD
8.6	Unnamed	P	1,566.4	NA	WWFF	HDD
8.9	Unnamed	P	35.6	NA	WWFF	HDD
9.9	Unnamed	P	19.0	NA	WWFF	Open Cut
10.2	Taylor Bayou	P	375.1	PCR1, I	WWFF	HDD
10.9	Unnamed	P	79.5	NA	WWFF	HDD
11.0	Unnamed	I	15.2	NA	WWFF	Open Cut
11.7	Unnamed	P	75.0	NA	WWFF	HDD
11.8	Unnamed	P	569.9	NA	WWFF	HDD
12.0	Hillebrandt Bayou	P	394.6	PCR1, I	WWFF	HDD
12.0	Unnamed	P	29.7	NA	WWFF	HDD
12.4	Unnamed	P	41.5	NA	WWFF	Open Cut
12.7	Unnamed	I	30.2	NA	WWFF	Open Cut
13.2	Unnamed	P	52.2	NA	WWFF	HDD
14.0	Unnamed	E	49.2	NA	WWFF	Open Cut
14.3	Gallier Canal	P	59.0	NA	WWFF	HDD
14.5	Unnamed	E	617.3	NA	WWFF	Open Cut
16.5	Unnamed	E	14.1	NA	WWFF	Open Cut
16.9	Unnamed	P	63.6	NA	WWFF	Open Cut
17.1	Unnamed	E	5.0	NA	WWFF	HDD
17.8	Unnamed	P	11.1	NA	WWFF	HDD
18.3	Unnamed	P	18.1	NA	WWFF	HDD
19.3	Unnamed	E	6.0	NA	WWFF	Open Cut
19.3	Unnamed	E	4.0	NA	WWFF	Open Cut
19.4	Unnamed	P	54.1	NA	WWFF	Open Cut
19.7	Unnamed	P	79.4	NA	WWFF	HDD
19.8	Unnamed	P	85.13	NA	WWFF	HDD
Orange County, Texas						
22.1	Neches River	P	873.7	PCR1, I	WWMF	HDD
25.6	Unnamed	I	60.4	NA	WWFF	HDD
26.4	Unnamed	I	5.0	NA	WWFF	Bore
26.4	Unnamed	I	5.0	NA	WWFF	Bore

APPENDIX I.1 (cont'd)

Surface Waterbodies Crossed by the Texas Connector Project

County/Parish, State, Milepost	Waterbody Name	Flow Type ^a	Crossing Length (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Crossing Method
Southern Pipeline						
Jefferson County, Texas						
0.3	Unnamed	P	132.5	NA	WWMF	HDD
2.4	Unnamed	P	365.3	NA	WWMF	HDD
4.2	Unnamed	P	58.4	NA	WWMF	Push
4.3	Unnamed	P	42.1	NA	WWMF	Push
6.6	Sabine Pass	P	4,325.9	PCR, E/O	WWMF	HDD
Cameron Parish, Louisiana						
7.3	Unnamed	P	43.1	NA	WWMF	HDD
FGT Lateral						
Orange County, Texas						
0.3	Unnamed	E	2.0	NA	WWFF	Bore
0.3	Unnamed	E	2.0	NA	WWFF	Bore
0.9	Unnamed	P	21.8	NA	WWFF	HDD
1.4	Unnamed	I	17.5	NA	WWFF	Open Cut
GTS/CIPCO Lateral						
Jefferson County, Texas						
0.6	Unnamed	P	103.0	NA	WWFF	HDD
0.9	Unnamed	P	64.2	NA	WWFF	HDD
1.2	Unnamed	P	705.9	NA	WWFF	Open Cut
^a	Flow Type: P = Perennial I = Intermittent E = Ephemeral					
^b	2014 Texas Water Quality Standards E = Exceptional Aquatic Life Use H = High Aquatic Life Use I = Intermediate Aquatic Life Use NA = Not Applicable (Unclassified by TCEQ) O = Oyster Waters PCR = Primary Contact Recreation					
^c	WWMF = Warm Water Marine Fishery WWFF = Warm Water Freshwater Fishery					
^d	ATWS within 50 feet of the water's edge.					

**SURFACE WATERBODIES CROSSED BY THE
LOUISIANA CONNECTOR PROJECT**

APPENDIX I.2

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
Jefferson County, Texas								
0.20	JEF-WB-001	Sabine- Neches Canal	P	1,402.4	A,C	Saltwater Fishery	HDD	Major
0.62	JEF-WB-002	Unnamed Waterbody	I	123.8	N/A	Saltwater Fishery	HDD	Major
0.66	JEF-WB-003	Unnamed Waterbody	E	28.5	N/A	Saltwater Fishery	HDD	Intermediate
0.69	JEF-WB-004	Sabine Lake	OW	1,571.6	A,B,C,E	Saltwater Fishery	HDD	Major
0.98	JEF-WB-004	Sabine Lake	OW	64,626.2	A,B,C,E	Saltwater Fishery	HDD	Major
3.71	JEF-WB-004	Sabine Lake	OW	0.0	A,B,C,E	Saltwater Fishery	Barge Lay	Minor
Orange County, Texas								
13.22	ORA-WB-001	Sabine River	OW	18,888.2	A,B,C,E	Saltwater Fishery	Barge Lay	Major
Cameron Parish, Louisiana								
16.79	CAM-WB-001	Sabine River	OW	5,831.9	A,B,C,E	Saltwater Fishery	Barge Lay	Major
17.63	CAM-WB-001	East Pass	OW	5,831.9	N/A	Saltwater Fishery	HDD	Major
18.92	CAM-WB-002	East Pass	P	620.2	N/A	Saltwater Fishery	HDD	Major
19.36	CAM-WB-003	Unnamed Waterbody	P	48.6	N/A	Saltwater Fishery	Push	Intermediate
20.35	CAM-WB-004	Unnamed Waterbody	P	73.1	N/A	Saltwater Fishery	Push	Intermediate
20.63	CAM-WB-005	Unnamed Waterbody	P	99.3	N/A	Saltwater Fishery	Push	Intermediate
20.86	CAM-WB-006	Unnamed Waterbody	P	385.8	N/A	Saltwater Fishery	Push	Major
21.17	CAM-WB-007	Unnamed Waterbody	P	42.9	N/A	Saltwater Fishery	Push	Intermediate
21.29	CAM-WB-008	Unnamed Waterbody	P	23.5	N/A	Saltwater Fishery	Push	Intermediate
21.66	CAM-WB-009	Unnamed Waterbody	P	47.9	N/A	Saltwater Fishery	Push	Intermediate
21.88	CAM-WB-010	Unnamed Waterbody	P	36.7	N/A	Saltwater Fishery	Push	Intermediate
22.07	CAM-WB-011	Unnamed Waterbody	P	14.2	N/A	Saltwater Fishery	Push	Intermediate
22.33	CAM-WB-012	Unnamed Waterbody	P	306.6	N/A	Saltwater Fishery	Push	Major
22.60	CAM-WB-013	Unnamed Waterbody	OW	541.4	N/A	Saltwater Fishery	Push	Major
22.81	CAM-WB-014	Unnamed Waterbody	OW	2,130.9	N/A	Saltwater Fishery	Push	Major
23.38	CAM-WB-015	Unnamed Waterbody	OW	347.8	N/A	Saltwater Fishery	Push	Major
23.57	CAM-WB-018	Unnamed Waterbody	OW	1,166.7	N/A	Saltwater Fishery	Push	Major

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
23.83	CAM-WB-019	Unnamed Waterbody	OW	996.3	N/A	Saltwater Fishery	Push	Major
24.07	CAM-WB-020	Unnamed Waterbody	OW	350.5	N/A	Saltwater Fishery	Push	Major
24.38	CAM-WB-023	Unnamed Waterbody	OW	1,990.9	N/A	Saltwater Fishery	Push	Major
25.19	CAM-WB-026	Unnamed Waterbody	OW	57.0	N/A	Saltwater Fishery	Push	Intermediate
26.71	CAM-WB-027	Unnamed Waterbody	P	31.8	N/A	Saltwater Fishery	HDD	Intermediate
Calcasieu Parish, Louisiana								
27.85	CAL-WB-001	Intracoastal Waterway	P	899.1	N/A	Saltwater Fishery	HDD	Major
28.55	CAL-WB-004	Unnamed Waterbody	OW	479.9	N/A	Saltwater Fishery	Push	Major
28.68	CAL-WB-005	Unnamed Waterbody	OW	118.1	N/A	Saltwater Fishery	Push	Major
30.50	CAL-WB-006	Unnamed Waterbody	P	19.6	N/A	Saltwater Fishery	Push	Intermediate
30.56	CAL-WB-007	Unnamed Waterbody	P	129.4	N/A	Saltwater Fishery	Push	Major
30.67	CAL-WB-008	Unnamed Waterbody	P	38.4	N/A	Saltwater Fishery	HDD	Intermediate
30.68	CAL-WB-009	Unnamed Waterbody	P	38.9	N/A	Saltwater Fishery	HDD	Intermediate
30.75	CAL-WB-010	Vinton Drainage Canal	P	246.8	A,B,C	Saltwater Fishery	HDD	Major
33.66	CAL-WB-011	Unnamed Waterbody	P	27.0	N/A	Saltwater Fishery	Push	Intermediate
34.72	CAL-WB-012	Unnamed Waterbody	P	44.9	N/A	Warm Water Fishery	Open Cut	Intermediate
35.04	CAL-WB-013	Unnamed Waterbody	P	13.1	N/A	Warm Water Fishery	Bore	Intermediate
35.05	CAL-WB-014	Unnamed Waterbody	P	14.1	N/A	Warm Water Fishery	Bore	Intermediate
36.37	CAL-WB-015	Unnamed Waterbody	P	23.3	N/A	Warm Water Fishery	Open Cut	Intermediate
36.74	CAL-WB-016	Unnamed Waterbody	I	41.3	N/A	Warm Water Fishery	Open Cut	Intermediate
37.43	CAL-WB-017	Unnamed Waterbody	P	43.3	N/A	Warm Water Fishery	Open Cut	Intermediate
37.47	CAL-WB-018	Unnamed Waterbody	P	13.3	N/A	Warm Water Fishery	Open Cut	Intermediate
38.72	CAL-WB-019	Unnamed Waterbody	P	32.5	N/A	Warm Water Fishery	HDD	Intermediate
38.80	CAL-WB-020	Unnamed Waterbody	P	46.5	N/A	Warm Water Fishery	HDD	Intermediate
38.81	CAL-WB-021	Unnamed Waterbody	P	21.5	N/A	Warm Water Fishery	HDD	Intermediate
38.90	CAL-WB-022	Unnamed Waterbody	P	25.8	N/A	Warm Water Fishery	HDD	Intermediate

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
39.63	CAL-WB-025	Unnamed Waterbody	P	125.5	N/A	Warm Water Fishery	Open Cut	Major
39.87	CAL-WB-026	Unnamed Waterbody	I	30.7	N/A	Warm Water Fishery	Open Cut	Intermediate
40.25	CAL-WB-028	Unnamed Waterbody	P	188.6	N/A	Warm Water Fishery	HDD	Major
40.34	CAL-WB-029	Unnamed Waterbody	P	32.8	N/A	Warm Water Fishery	HDD	Intermediate
40.43	CAL-WB-031	Unnamed Waterbody	P	30.4	N/A	Warm Water Fishery	HDD	Intermediate
42.04	CAL-WB-032	Unnamed Waterbody	I	19.8	N/A	Warm Water Fishery	HDD	Intermediate
42.35	CAL-WB-033	Bayou Choupique	P	156.9	A,B,C	Warm Water Fishery	HDD	Major
42.88	CAL-WB-034	Unnamed Waterbody	E	27.0	N/A	Warm Water Fishery	Open Cut	Intermediate
43.17	CAL-WB-035	Unnamed Waterbody	P	44.3	N/A	Warm Water Fishery	Open Cut	Intermediate
43.28	CAL-WB-036	Unnamed Waterbody	P	49.9	N/A	Warm Water Fishery	Open Cut	Intermediate
43.58	CAL-WB-037	Unnamed Waterbody	E	22.7	N/A	Warm Water Fishery	Open Cut	Intermediate
44.64	CAL-WB-038	Unnamed Waterbody	I	0.0	N/A	Warm Water Fishery	Bore	Minor
44.81	CAL-WB-039	Unnamed Waterbody	I	0.0	N/A	Warm Water Fishery	Bore	Minor
45.56	CAL-WB-040	Unnamed Waterbody	I	231.2	N/A	Warm Water Fishery	Open Cut	Major
47.29	CAL-WB-041	Unnamed Waterbody	E	49.8	N/A	Warm Water Fishery	Open Cut	Intermediate
47.70	CAL-WB-042	Unnamed Waterbody	E	115.6	N/A	Warm Water Fishery	HDD	Major
48.11	CAL-WB-043	Unnamed Waterbody	E	9.0	N/A	Warm Water Fishery	Open Cut	Minor
48.40	CAL-WB-046	Unnamed Waterbody	P	0.0	N/A	Warm Water Fishery	HDD	Minor
48.41	CAL-WB-046	Unnamed Waterbody	E	25.7	N/A	Warm Water Fishery	HDD	Intermediate
48.44	CAL-WB-047	Unnamed Waterbody	E	12.9	N/A	Warm Water Fishery	HDD	Intermediate
48.51	CAL-WB-049	Unnamed Waterbody	E	11.2	N/A	Warm Water Fishery	Open Cut	Intermediate
52.64	CAL-WB-051	Unnamed Waterbody	E	27.8	N/A	Warm Water Fishery	Open Cut	Intermediate
53.19	CAL-WB-052	Unnamed Waterbody	E	25.1	N/A	Warm Water Fishery	Open Cut	Intermediate
53.96	CAL-WB-053	Unnamed Waterbody	E	34.9	N/A	Warm Water Fishery	Open Cut	Intermediate
53.98	CAL-WB-054	Unnamed Waterbody	E	53.5	N/A	Warm Water Fishery	Open Cut	Intermediate
54.68	CAL-WB-056	Unnamed Waterbody	E	13.4	N/A	Warm Water Fishery	HDD	Intermediate

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
54.70	CAL-WB-057	Houston River Canal	P	122.5	N/A	Warm Water Fishery	HDD	Major
54.74	CAL-WB-058	Unnamed Waterbody	E	14.4	A,B,C,F	Warm Water Fishery	HDD	Intermediate
55.76	CAL-WB-059	Unnamed Waterbody	E	30.9	N/A	Warm Water Fishery	Open Cut	Intermediate
56.90	CAL-WB-060	Houston River	P	132.1	A,B,C,F	Warm Water Fishery	HDD	Major
58.52	CAL-WB-061	Unnamed Waterbody	I	29.0	N/A	Warm Water Fishery	Open Cut	Intermediate
59.27	CAL-WB-063	Unnamed Waterbody	I	20.8	N/A	Warm Water Fishery	Open Cut	Intermediate
59.84	CAL-WB-064	Unnamed Waterbody	E	12.1	N/A	Warm Water Fishery	HDD	Intermediate
60.64	CAL-WB-065	Little River	P	41.1	A,B,C	Warm Water Fishery	HDD	Intermediate
60.93	CAL-WB-066	Unnamed Waterbody	I	8.1	N/A	Warm Water Fishery	Open Cut	Minor
61.92	CAL-WB-067	Unnamed Waterbody	E	27.5	N/A	Warm Water Fishery	Open Cut	Intermediate
62.73	CAL-WB-068	Unnamed Waterbody	I	35.5	N/A	Warm Water Fishery	Open Cut	Intermediate
63.88	CAL-WB-069	Unnamed Waterbody	E	7.6	N/A	Warm Water Fishery	HDD	Minor
64.05	CAL-WB-070	Beckwith Creek ^f	P	122.6	A,B,C,F	Warm Water Fishery	HDD	Major
65.13	CAL-WB-071	Unnamed Waterbody	I	140.9	N/A	Warm Water Fishery	HDD	Major
65.27	CAL-WB-071	Hickory Branch ^f	P	140.9	A,B,C,F	Warm Water Fishery	HDD	Major
65.59	CAL-WB-072	Unnamed Waterbody	I	59.2	N/A	Warm Water Fishery	Open Cut	Intermediate
66.14	CAL-WB-073	Unnamed Waterbody	E	28.1	N/A	Warm Water Fishery	Open Cut	Intermediate
Beauregard Parish, Louisiana								
67.89	BEA-WB-002	Unnamed Waterbody	E	4.9	N/A	Warm Water Fishery	Open Cut	Minor
67.93	BEA-WB-003	Unnamed Waterbody	E	4.1	N/A	Warm Water Fishery	Open Cut	Minor
67.97	BEA-WB-004	Unnamed Waterbody	E	11.2	N/A	Warm Water Fishery	Open Cut	Intermediate
68.12	BEA-WB-005	Unnamed Waterbody	E	0.0	N/A	Warm Water Fishery	ATWS	Minor
69.78	BEA-WB-007	Indian Bayou	P	15.3	A,B,C,F	Warm Water Fishery	Open Cut	Intermediate
70.62	BEA-WB-009	Unnamed Waterbody	I	10.8	N/A	Warm Water Fishery	Bore	Intermediate
71.06	BEA-WB-012	Unnamed Waterbody	I	7.9	N/A	Warm Water Fishery	Open Cut	Minor
73.24	BEA-WB-014	Marsh Bayou	P	22.1	A,B,C	Warm Water Fishery	Open Cut	Intermediate
73.57	BEA-WB-015	Unnamed Waterbody	E	2.2	N/A	Warm Water Fishery	Open Cut	Minor

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
76.57	BEA-WB-019	Unnamed Waterbody	E	7.8	N/A	Warm Water Fishery	Open Cut	Minor
Allen Parish, Louisiana								
79.13	ALL-WB-001	Barnes Creek ^f	P	42.4	A,B,C	Warm Water Fishery	HDD	Intermediate
79.28	ALL-WB-002	Unnamed Waterbody	I	3.7	N/A	Warm Water Fishery	HDD	Minor
82.07	ALL-WB-003	Unnamed Waterbody	E	13.3	N/A	Warm Water Fishery	Open Cut	Intermediate
82.12	ALL-WB-004	Unnamed Waterbody	I	26.5	N/A	Warm Water Fishery	Open Cut	Intermediate
82.19	ALL-WB-005	Unnamed Waterbody	I	33.7	N/A	Warm Water Fishery	Open Cut	Intermediate
82.32	ALL-WB-006	Clear Creek	P	85.8	N/A	Warm Water Fishery	Open Cut	Intermediate
82.43	ALL-WB-007	Unnamed Waterbody	E	4.1	N/A	Warm Water Fishery	Open Cut	Minor
84.85	ALL-WB-008	Bear Creek	P	23.9	N/A	Warm Water Fishery	Open Cut	Intermediate
87.13	ALL-WB-010	Bunchs Creek	I	56.6	N/A	Warm Water Fishery	Open Cut	Intermediate
91.14	ALL-WB-011	Whiskey Chitto Creek ^f	P	0.0	N/A	Warm Water Fishery	HDD	Minor
91.14	ALL-WB-011	Whiskey Chitto Creek ^f	P	168.2	N/A	Warm Water Fishery	HDD	Major
94.55	ALL-WB-013	Calcasieu River	P	235.0	A,B,C,F,G	Warm Water Fishery	HDD	Major
95.30	ALL-WB-014	Unnamed Waterbody	E	8.5	N/A	Warm Water Fishery	Open Cut	Minor
95.67	ALL-WB-015	Unnamed Waterbody	E	2.9	N/A	Warm Water Fishery	Bore	Minor
95.68	ALL-WB-016	Unnamed Waterbody	E	2.9	N/A	Warm Water Fishery	Bore	Minor
96.15	ALL-WB-018	Unnamed Waterbody	I	6.4	N/A	Warm Water Fishery	Open Cut	Minor
96.39	ALL-WB-019	Unnamed Waterbody	E	50.6	N/A	Warm Water Fishery	Open Cut	Intermediate
96.41	ALL-WB-020	Unnamed Waterbody	E	0.0	N/A	Warm Water Fishery	HDD Pullback ATWS	Minor
96.42	ALL-WB-021	Unnamed Waterbody	E	2.6	N/A	Warm Water Fishery	Open Cut	Minor
96.76	ALL-WB-023	Unnamed Waterbody	P	17.5	N/A	Warm Water Fishery	HDD	Intermediate
97.10	ALL-WB-024	Unnamed Waterbody	E	13.2	N/A	Warm Water Fishery	Open Cut	Intermediate
97.85	ALL-WB-025	Unnamed Waterbody	I	19.2	N/A	Warm Water Fishery	Open Cut	Intermediate
98.36	ALL-WB-027	Unnamed Waterbody	I	30.6	N/A	Warm Water Fishery	Open Cut	Intermediate
99.34	ALL-WB-028	Unnamed Waterbody	I	28.8	N/A	Warm Water Fishery	Open Cut	Intermediate

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
100.75	ALL-WB-030	Unnamed Waterbody	I	22.8	N/A	Warm Water Fishery	Open Cut	Intermediate
100.87	ALL-WB-031	Bayou Blue	P	47.0	A,B,C	Warm Water Fishery	Open Cut	Intermediate
102.72	ALL-WB-033	Unnamed Waterbody	E	8.0	N/A	Warm Water Fishery	Open Cut	Minor
103.38	ALL-WB-034	Unnamed Waterbody	E	10.0	N/A	Warm Water Fishery	Open Cut	Intermediate
104.37	ALL-WB-036	Bayou Blue	P	298.7	A,B,C,	Warm Water Fishery	Open Cut	Major
104.66	ALL-WB-037	Bayou Blue	P	37.1	A,B,C,	Warm Water Fishery	Open Cut	Intermediate
104.71	ALL-WB-038	Bayou Blue	P	164.8	A,B,C,	Warm Water Fishery	Open Cut	Major
106.47	ALL-WB-041	Unnamed Waterbody	E	11.7	N/A	Warm Water Fishery	Open Cut	Intermediate
107.09	ALL-WB-042	Unnamed Waterbody	E	8.6	N/A	Warm Water Fishery	Open Cut	Minor
107.35	ALL-WB-045	Unnamed Waterbody	E	5.3	N/A	Warm Water Fishery	Open Cut	Minor
108.39	ALL-WB-051	Unnamed Waterbody	E	67.6	N/A	Warm Water Fishery	Open Cut	Intermediate
108.65	ALL-WB-052	Bayou Blue	P	52.3	A,B,C,	Warm Water Fishery	Open Cut	Intermediate
108.80	ALL-WB-053	Unnamed Waterbody	E	3.2	N/A	Warm Water Fishery	Open Cut	Minor
109.75	ALL-WB-054	Unnamed Waterbody	E	15.4	N/A	Warm Water Fishery	Open Cut	Intermediate
109.89	ALL-WB-055	Unnamed Waterbody	E	30.5	N/A	Warm Water Fishery	HDD	Intermediate
109.95	ALL-WB-056	Bayou Nezpique	P	43.7	A,B,C,F	Warm Water Fishery	HDD	Intermediate
Evangeline Parish, Louisiana								
109.96	EVA-WB-001	Bayou Nezpique	P	43.7	A,B,C,F	Warm Water Fishery	HDD	Intermediate
110.24	EVA-WB-002	Unnamed Waterbody	I	10.9	N/A	Warm Water Fishery	Open Cut	Intermediate
110.35	EVA-WB-003	Unnamed Waterbody	I	0.0	N/A	Warm Water Fishery	HDD	Minor
111.84	EVA-WB-006	Unnamed Waterbody	I	18.1	N/A	Warm Water Fishery	Open Cut	Intermediate
112.68	EVA-WB-007	Unnamed Waterbody	I	35.0	N/A	Warm Water Fishery	Open Cut	Intermediate
115.68	EVA-WB-008	Unnamed Waterbody	I	34.5	N/A	Warm Water Fishery	Open Cut	Intermediate
115.72	EVA-WB-009	Unnamed Waterbody	E	3.5	N/A	Warm Water Fishery	Open Cut	Minor
115.72	EVA-WB-009	Unnamed Waterbody	E	3.5	N/A	Warm Water Fishery	Open Cut	Minor
117.93	EVA-WB-010	Unnamed Waterbody	E	6.7	N/A	Warm Water Fishery	Open Cut	Minor
118.40	EVA-WB-011	Unnamed Waterbody	E	21.7	N/A	Warm Water Fishery	Open Cut	Intermediate

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type ^c	Proposed Construction Crossing Method ^d	FERC Classification ^e
118.73	EVA-WB-012	Unnamed Waterbody	E	7.0	N/A	Warm Water Fishery	Open Cut	Minor
119.07	EVA-WB-013	Bayou des Canne	P	80.8	A,B,C	Warm Water Fishery	HDD	Intermediate
St. Landry Parish, Louisiana								
119.25	STL-WB-001	Unnamed Waterbody	I	0.0	N/A	Warm Water Fishery	ATWS	Minor
121.37	STL-WB-002	Unnamed Waterbody	E	9.9	N/A	Warm Water Fishery	Open Cut	Minor
121.40	STL-WB-003	Unnamed Waterbody	E	9.2	N/A	Warm Water Fishery	Open Cut	Minor
121.77	STL-WB-004	Unnamed Waterbody	E	2.7	N/A	Warm Water Fishery	Open Cut	Minor
121.95	STL-WB-005	Unnamed Waterbody	E	10.4	N/A	Warm Water Fishery	Open Cut	Intermediate
122.42	STL-WB-006	Unnamed Waterbody	I	29.1	N/A	Warm Water Fishery	Open Cut	Intermediate
124.65	STL-WB-007	Bayou Choupique	P	77.5	N/A	Warm Water Fishery	Open Cut	Intermediate
125.97	STL-WB-008	Unnamed Waterbody	I	36.5	N/A	Warm Water Fishery	Open Cut	Intermediate
126.52	STL-WB-009	Bayou Doza	P	65.6	N/A	Warm Water Fishery	Open Cut	Intermediate
127.13	STL-WB-010	Unnamed Waterbody	I	34.1	N/A	Warm Water Fishery	Open Cut	Intermediate
128.12	STL-WB-011	Unnamed Waterbody	E	34.4	N/A	Warm Water Fishery	Open Cut	Intermediate
128.14	STL-WB-012	Unnamed Waterbody	E	28.0	N/A	Warm Water Fishery	Open Cut	Intermediate
128.16	STL-WB-013	Unnamed Waterbody	E	28.6	N/A	Warm Water Fishery	Open Cut	Intermediate
128.88	STL-WB-014	Unnamed Waterbody	I	11.8	N/A	Warm Water Fishery	Open Cut	Intermediate
129.01	STL-WB-015	Unnamed Waterbody	I	37.5	N/A	Warm Water Fishery	Open Cut	Intermediate
129.06	STL-WB-016	Unnamed Waterbody	E	4.6	N/A	Warm Water Fishery	Open Cut	Minor
129.67	STL-WB-017	Unnamed Waterbody	I	27.7	N/A	Warm Water Fishery	Open Cut	Intermediate
129.86	STL-WB-018	Unnamed Waterbody	E	12.1	N/A	Warm Water Fishery	Open Cut	Intermediate
130.30	STL-WB-019	Unnamed Waterbody	E	26.0	N/A	Warm Water Fishery	Open Cut	Intermediate

APPENDIX I.2 (cont'd)

Surface Waterbodies Crossed by the Louisiana Connector Project

County/ Parish, State, Milepost	Waterbody Label	Waterbody	Type ^a	Crossing Width (feet)	State Water Quality Classification ^b	Fishery Type _c	Proposed Construction Crossing Method ^d	FERC Classification ^e
^a	P = Perennial E = Ephemeral I = Intermittent							
^b	State Water Quality Classifications: A = Primary Contact Recreation B = Secondary Contact Recreation C = Propagation of Fish and Wildlife D = Drinking Water E = Oyster Production F = Agriculture G = Outstanding Natural Resource Waters H = Limited Aquatic Life and Wildlife Use							
^c	Fishery Type: Fishery type determination based on demarcation of the saltwater/freshwater areas from LDWF.							
^d	Crossing Method: Construction method proposed by PAPL to install pipeline across waterbody. All waterbodies with a perceivable flow would be crossed by the dry-ditch method or the predetermined HDD locations. Non-flowing water at the time of construction would utilize an open-cut crossing method. An appropriate crossing method would be determined at the time of construction based on water flow.							
^e	FERC Classifications: Minor = <10 feet crossing length Intermediate = >10 feet but <100 feet crossing length Major = >100 feet crossing length							
^f	Waterbody listed as a Scenic River by the State of Louisiana.							
Note:	No waterbodies are crossed or otherwise impacted by any of the proposed above ground facilities.							

APPENDIX J

PROFILES OF HDD CROSSINGS

TEXAS CONNECTOR PROJECT



STATIONING	PRELIM DATA	BILL OF MATERIALS	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS																		
				<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR'S WORK AREA. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ALL NECESSARY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND ALL NECESSARY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.</p> <p>2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ALL NECESSARY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.</p> <p>3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ALL NECESSARY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.</p> <p>4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ALL NECESSARY CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.</p>	<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING SEWERS PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT EASEMENT TEMPORARY EASEMENT (TVE) ADDITIONAL TVE SITE PARCEL TRACT PARK/COUNTY BOUNDARY STATE BOUNDARY 	<p>APPROVALS</p> <table border="1"> <tr> <th>DRAWN</th> <th>G.E.</th> <th>DATE</th> </tr> <tr> <td>CHNO</td> <td>B.V.</td> <td>06/17/2017</td> </tr> <tr> <th>DATE</th> <th>DATE</th> <th>DATE</th> </tr> <tr> <td>06/17/2017</td> <td>06/17/2017</td> <td>06/17/2017</td> </tr> <tr> <th>SCALE</th> <th>SCALE</th> <th>SCALE</th> </tr> <tr> <td>1" = 200'</td> <td>1" = 200'</td> <td>0" = 100'</td> </tr> </table> <p>UNIVERSAL PIPES GAS INTERNATIONAL A Division of International Pipelines</p>	DRAWN	G.E.	DATE	CHNO	B.V.	06/17/2017	DATE	DATE	DATE	06/17/2017	06/17/2017	06/17/2017	SCALE	SCALE	SCALE	1" = 200'	1" = 200'	0" = 100'
DRAWN	G.E.	DATE																						
CHNO	B.V.	06/17/2017																						
DATE	DATE	DATE																						
06/17/2017	06/17/2017	06/17/2017																						
SCALE	SCALE	SCALE																						
1" = 200'	1" = 200'	0" = 100'																						
		CONTINUOUS CONCRETE COATING																						
		PIPE ASSEMBLIES	PIPE COATING DATA																					

PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)
HORIZONTAL DIRECTIONAL DRILL CROSSING
PROPOSED NORTH ROUTE
INTRACOASTAL WATERWAY / TAYLOR BAYOU

JEFFERSON COUNTY
 TEXAS

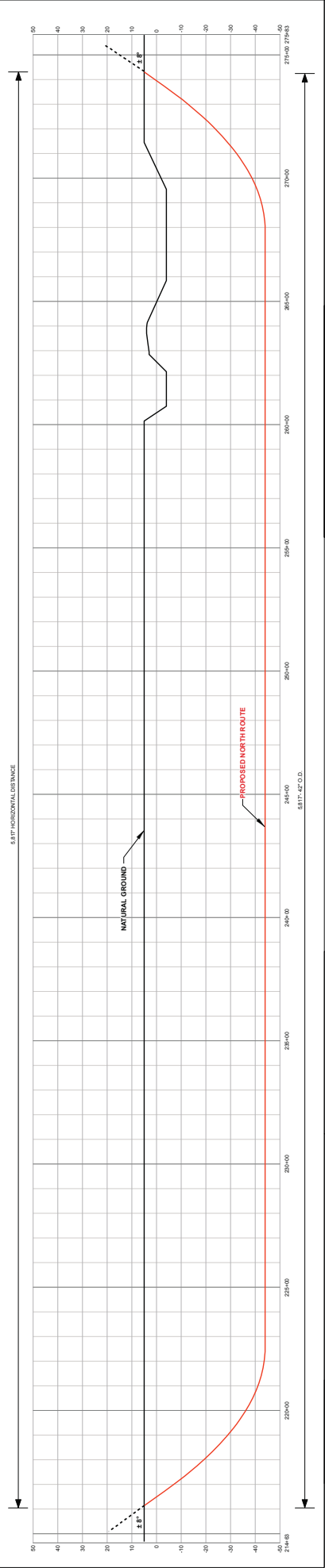
NO	REVISION	DATE	BY	CHKD	APPD
1	FOR PERMITTING	06/17/2017	B.V.		

DRAWING NO. 22870-505-HDW-2001



SCALE: 1" = 200'
 (IMAGERY DATA SOURCE: ©1998-2015)
 PHOTOIMAGERY INTERNATIONAL

PRELIM. DATA
 STATIONING



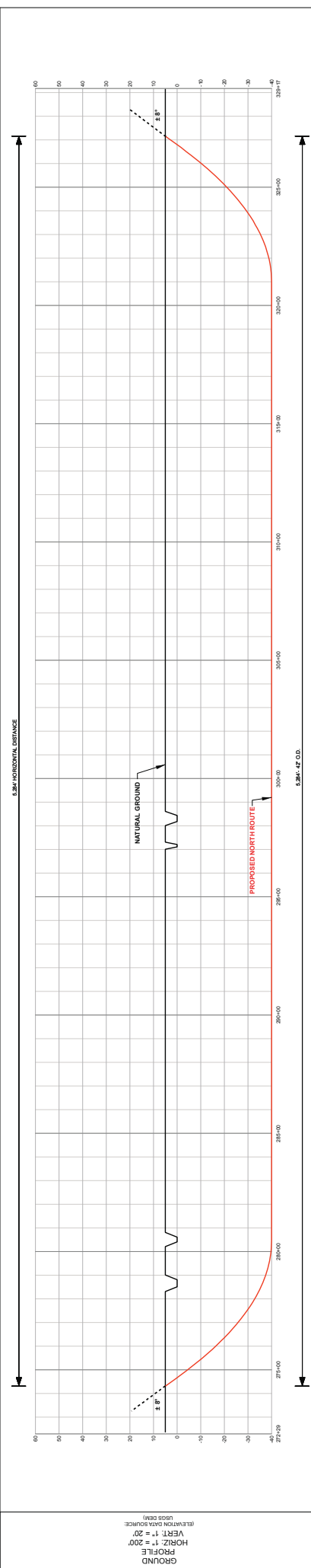
GROUND PROFILE
 VERT. 1" = 200"
 HORIZ. 1" = 200"

BILL OF MATERIALS		MISCELLANEOUS MATERIALS		GENERAL NOTES		LEGEND		APPROVALS		PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)																											
				<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE EXISTING ROAD NETWORK AND SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE ROAD NETWORK OR TO THE STATE HIGHWAY SYSTEM. A MAP POSITION AND SURVEY POINT SHALL BE PROVIDED TO THE CONTRACTOR AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL SURVEY POINTS AND TO CONTACT THE STATE "ONE CALL" SERVICE PRIOR TO ANY CONSTRUCTION.</p>		<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT EASEMENT TEMPORARY EASEMENT (75%) ADDITIONAL TYP SITE PARCEL TRACT PARK COUNTY BOUNDARY STATE BOUNDARY 		<p>APPROVALS</p> <table border="1"> <tr> <th>DRAWN</th> <th>C.E.</th> <th>DATE</th> </tr> <tr> <td></td> <td></td> <td>06/17/2017</td> </tr> <tr> <th>CHKD</th> <th>B.V.</th> <th>DATE</th> </tr> <tr> <td></td> <td></td> <td>06/17/2017</td> </tr> <tr> <th>INPR</th> <th>FAT</th> <th>DATE</th> </tr> <tr> <td></td> <td></td> <td>06/17/2017</td> </tr> <tr> <th>SCALE</th> <th>1" = 200 FT</th> <th>SHEET</th> </tr> <tr> <td></td> <td></td> <td>002 OF 004</td> </tr> </table>		DRAWN	C.E.	DATE			06/17/2017	CHKD	B.V.	DATE			06/17/2017	INPR	FAT	DATE			06/17/2017	SCALE	1" = 200 FT	SHEET			002 OF 004	<p>PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC) HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED NORTH ROUTE FOREIGN PIPELINES / SHALLOW PRONG LAKE</p>		<p>JEFFERSON COUNTY TEXAS</p>	
DRAWN	C.E.	DATE																																			
		06/17/2017																																			
CHKD	B.V.	DATE																																			
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INPR	FAT	DATE																																			
		06/17/2017																																			
SCALE	1" = 200 FT	SHEET																																			
		002 OF 004																																			
<p>FITTINGS SUMMARY</p> <p>CONTINUOUS CONCRETE COATING</p>				<p>DISCLAIMER</p> <p>UNIVERSAL PIPES INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION AS TO THE ACCURACY OF THE DATA OR AS TO THE COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE LOCATION OF ALL SURVEY POINTS AND TO CONTACT THE STATE "ONE CALL" SERVICE PRIOR TO ANY CONSTRUCTION.</p>		<p>UNIVERSAL PIPES INTERNATIONAL A Subsidiary of International Pipelines Industries</p>		<p>DATE FOR PERMITTING: 06/20/17 DATE FOR REVISING: 06/20/17</p>		<p>DATE FOR PERMITTING: 06/20/17 DATE FOR REVISING: 06/20/17</p>																											
<p>PIPE ASSEMBLIES</p> <p>PIPE COATING DATA</p>						<p>APPROVAL</p> <table border="1"> <tr> <th>NAME</th> <th>DATE</th> <th>COMPANY</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		NAME	DATE	COMPANY				<p>UNIVERSAL PIPES INTERNATIONAL 1448 POND 29414 RD 29414 HOUSTON, TX 77058</p>		<p>UNIVERSAL PIPES INTERNATIONAL 1448 POND 29414 RD 29414 HOUSTON, TX 77058</p>		<p>UNIVERSAL PIPES INTERNATIONAL 1448 POND 29414 RD 29414 HOUSTON, TX 77058</p>																			
NAME	DATE	COMPANY																																			
						<p>REVISION</p> <table border="1"> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		NO	DATE	DESCRIPTION				<p>REVISION</p> <table border="1"> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>		NO	DATE	DESCRIPTION				<p>DRAWING NO. 22870-505-HDW-2002</p>															
NO	DATE	DESCRIPTION																																			
NO	DATE	DESCRIPTION																																			



SCALE: 1" = 200'
 (MAGNETIC DATA SOURCE: 01/28/2015)
 PROJECT: UNIVERSAL PIPES INTERNATIONAL - 22670-505-HDW-2003

PRELIM. DATA	STATIONING
PROFILE GROUND HORIZ. 1" = 200' VERT. 1" = 20' (ELEVATION DATA SOURCE: UGDS (DEM))	



BILL OF MATERIALS	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS	PROJECT INFORMATION								
FITTINGS SUMMARY	CONTINUOUS CONCRETE COATING	DISCLAIMER	EXISTING SEPARATE PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD	<table border="1"> <tr><th>DATE</th><th>DATE</th></tr> <tr><td>08/12/2017</td><td>08/12/2017</td></tr> <tr><td>08/12/2017</td><td>08/12/2017</td></tr> <tr><td>08/12/2017</td><td>08/12/2017</td></tr> </table>	DATE	DATE	08/12/2017	08/12/2017	08/12/2017	08/12/2017	08/12/2017	08/12/2017	PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC) HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED NORTH ROUTE WATER BODIES WAREHOUSES JEFFERSON COUNTY UNIVERSAL PIPES INTERNATIONAL A Subsidiary of International Pipelines Inc.
DATE	DATE												
08/12/2017	08/12/2017												
08/12/2017	08/12/2017												
08/12/2017	08/12/2017												
PIPE ASSEMBLIES	PIPE COATING DATA	1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODES OF FEDERAL REGULATIONS AND WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE PRODUCTION AND SAFETY PLAN ON SITE TO THE MAXIMUM EXTENT POSSIBLE TO AVOID THE PROPOSED ROUTE AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND TO CONTACT THE STATE 'ONE CALL' SYSTEM PRIOR TO ANY CONSTRUCTION.	PERMANENT EASEMENT TEMPORARY EASEMENT (TWE) ADDITIONAL TWE SITE PARCEL TRACT PARISH COUNTY BOUNDARY STATE BOUNDARY	DRAWN: GLE CHECKED: BLY DATE: 08/12/2017 SCALE: 1" = 200' SHEET: 03 OF 03 JOB NO: 22670 CLIENT: UNIVERSAL PIPES INTERNATIONAL PROJECT: PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)									
				APPROVAL: COMPANY DATE: 08/12/2017 SCALE: 1" = 200' SHEET: 03 OF 03	TEXAS UNIVERSAL PIPES INTERNATIONAL A Subsidiary of International Pipelines Inc.								
				REVISION: DATE: 08/12/2017 DRAWN: DR/AMN CHECKED: BLY APPROVED: APD	DRAWING NO.: 22670-505-HDW-2003 REV: A								

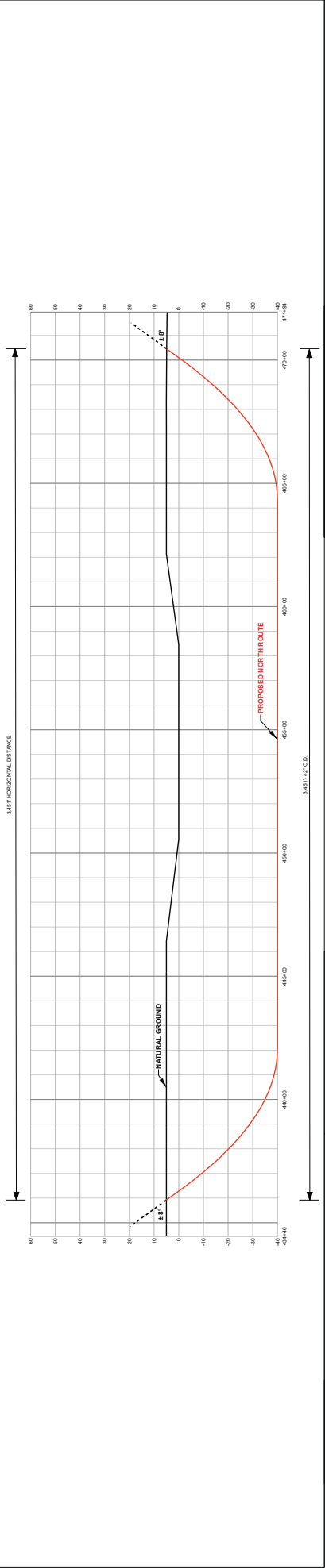


JEFFERSON COUNTY, TEXAS

SCALE: 1" = 200'
 (IMAGERY DATA SOURCE: PROCTOMETRY INTERNATIONAL - 01/28/2015)

PRELIM. DATA
 STATIONING

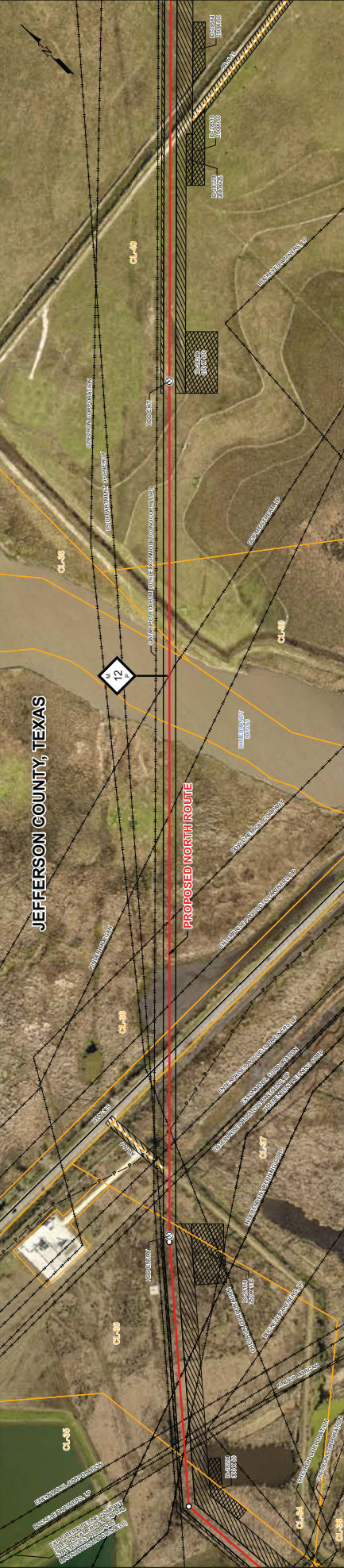
458+95 HDD EXT
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 460+48 STATE HWY 73
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GROUND PROFILE
 HORIZ. 1" = 200'
 VERT. 1" = 20'
 (ELEVATION DATA SOURCE: USGS DEM)

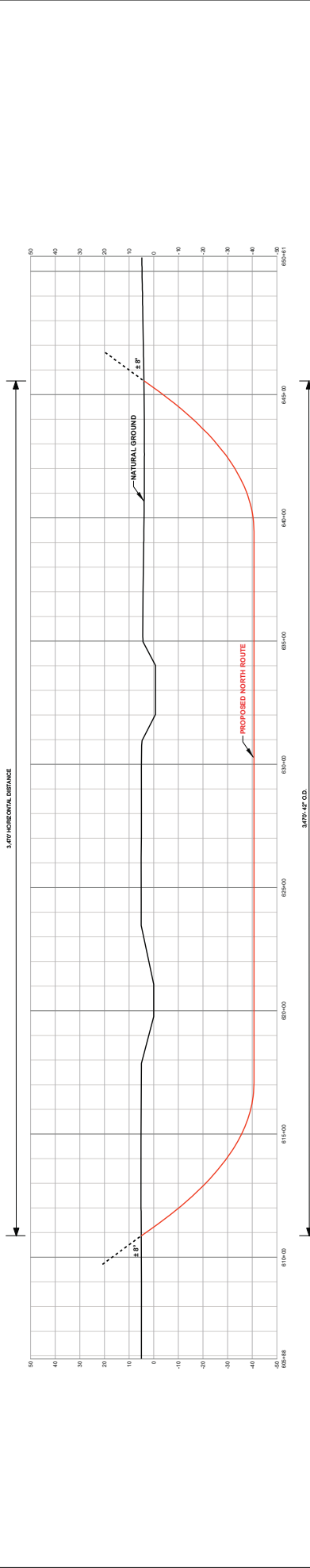
BILL OF MATERIALS		GENERAL NOTES		LEGEND		APPROVALS			
MISCELLANEOUS MATERIALS		<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL LOCATE THE WORK AREA USING A MAP PRODUCTION AND SETTING UP IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM GRADE AS SHOWN. IT WILL BE THEIR RESPONSIBILITY TO MAINTAIN.</p> <p>DISCLAIMER UNIVERSAL GAS SERVICES INTERNATIONAL MAKES NO WARRANTY (INCLUDING ACCURACY OR COMPLETENESS) OF ANY INFORMATION OR DATA PROVIDED TO ANY PARTY. UNIVERSAL GAS SERVICES INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN ANY INFORMATION OR DATA PROVIDED TO ANY PARTY. UNIVERSAL GAS SERVICES INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN ANY INFORMATION OR DATA PROVIDED TO ANY PARTY. UNIVERSAL GAS SERVICES INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN ANY INFORMATION OR DATA PROVIDED TO ANY PARTY.</p>		<p>EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT BOUNDARY STATE BOUNDARY</p>		<p>PERMANENT EASEMENT TEMPORARY EASEMENT (TWS) ADDITIONAL TWS SITE PARCEL TRACT PARISH COUNTY BOUNDARY STATE BOUNDARY</p>		<p>DRAWN: GLE DATE: 08/12/2017 CHECKED: BJV DATE: 08/12/2017 SCALE: 1" = 200 FT SHEET: 004 OF 004 CLIENT: UNIVERSAL GAS SERVICES INTERNATIONAL PROJECT: TEXAS ENGINEERING (P) L.L.C. # 17458</p>	
FITTINGS SUMMARY		CONTINUOUS CONCRETE COATING		ENVIRONMENTAL		<p>UNIVERSAL GAS SERVICES INTERNATIONAL A Subsidiary of International Energy Services</p>			
PIPE ASSEMBLIES		PIPE COATING DATA		<p>UNIVERSAL GAS SERVICES INTERNATIONAL A Subsidiary of International Energy Services</p>		<p>JEFFERSON COUNTY STATE HWY 73 / POND PROPOSED NORTH ROUTE HORIZONTAL DIRECTIONAL DRILL CONNECTOR (PAPTC)</p>			
				<p>DATE: 08/12/2017 REVISION: 22870-505-HDW-2004</p>		<p>DATE: 08/12/2017 REVISION: 22870-505-HDW-2004</p>			

JEFFERSON COUNTY, TEXAS



PRELIM. DATA
 STATIONING

618+42 H2O ENTRY
 615+25 H2V 845 MS
 645+15 H2O EXIT



JEFFERSON COUNTY, TEXAS

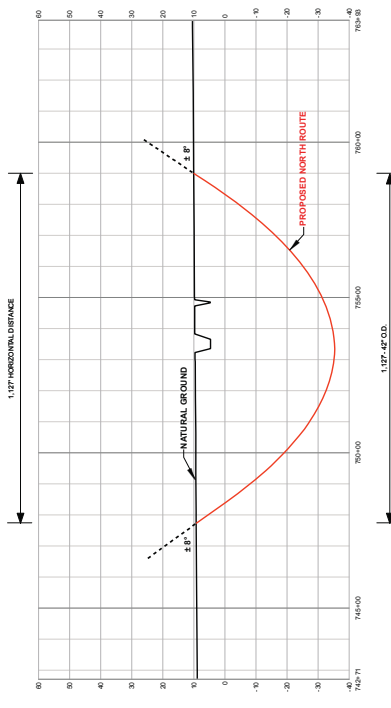


SCALE: 1" = 200'
 (MAGNETIC DATA SOURCE)
 PROCTERMITY INTERNATIONAL - 01/28/2015

PRELIM. DATA
 STATIONING

GROUND
 PROFILE
 HORIZ. 1" = 200'
 VERT. 1" = 20'
 (ELEVATION DATA SOURCE)
 UDS (ENR)

747+73 HOJ ENTRY
 759+00 HOJ EXIT



LEGEND

- EXISTING SEPARA PIPELINE
- FOREIGN PIPELINE
- POWERLINE
- RAILROAD
- ROAD
- PROPOSED ROUTE
- TEMPORARY ACCESS ROAD
- PERMANENT ACCESS ROAD
- PERMANENT EASEMENT
- TEMPORARY EASEMENT (TVE)
- ADDITIONAL TVE
- SITE
- PARCEL TRACT
- PARISH/COUNTY BOUNDARY
- STATE BOUNDARY

GENERAL NOTES

1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS AND SHALL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE WORK AREA. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE EXISTING ACCESS ROADS AND SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF NEW ACCESS ROADS UNLESS SHOWN ON THIS DRAWING. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND TO SECURE ALL NECESSARY EASEMENTS AND RIGHTS-OF-WAY FROM THE STATE 'ONE CALL' SYSTEM AND ANY OTHER AGENCIES THAT MAY BE CONTACTED BY THE CONTRACTOR.

MISCELLANEOUS MATERIALS

- CONTINUOUS CONCRETE COATING
- PIPE COATING DATA

FITTINGS SUMMARY

NO	REVISION	DATE	BY	CHKD	APPD
A	FOR PERMITTING	06/12/07	GLE		

BILL OF MATERIALS

NO	REVISION	DATE	BY	CHKD	APPD
A	FOR PERMITTING	06/12/07	GLE		

UNIVERSAL PIPES GAS INTERNATIONAL
 A Subsidiary of International Pipelines Industries

JEFFERSON COUNTY
 HORIZONTAL DIRECTIONAL DRILL CROSSING
 PROPOSED NORTH ROUTE
 CANAL

PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)

UNIVERSAL PIPES GAS INTERNATIONAL
 A Subsidiary of International Pipelines Industries

PERMITS
 STATE OF TEXAS
 PERMITS
 STATE OF TEXAS

DATE: 06/12/07
 DRAWN: GLE
 CHECKED: [Blank]
 APPROVED: [Blank]

DRAWING NO. 22870-505-HDW-2008
 REV. A

APPROVALS	DATE	BY	COMPANY
ENVIRONMENTAL	06/12/07	GLE	UNIVERSAL PIPES GAS INTERNATIONAL
UTILITY	06/12/07	GLE	UNIVERSAL PIPES GAS INTERNATIONAL
STATE OF TEXAS	06/12/07	GLE	UNIVERSAL PIPES GAS INTERNATIONAL
STATE OF TEXAS	06/12/07	GLE	UNIVERSAL PIPES GAS INTERNATIONAL

NO	REVISION	DATE	BY	CHKD	APPD
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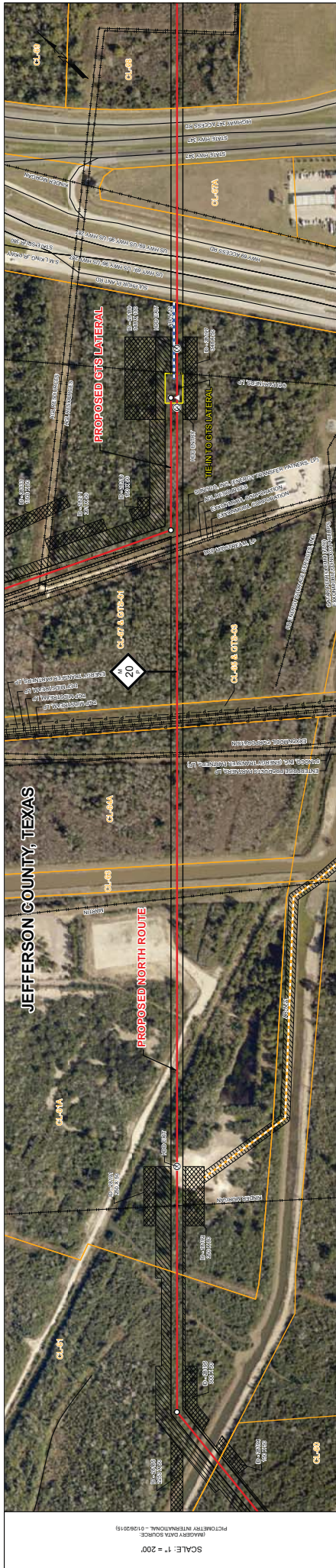
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A	FOR PERMITTING	06/12/07	GLE		

NO	REVISION	DATE	BY	CHKD	APPD
A	FOR PERMITTING	06/12/07	GLE		

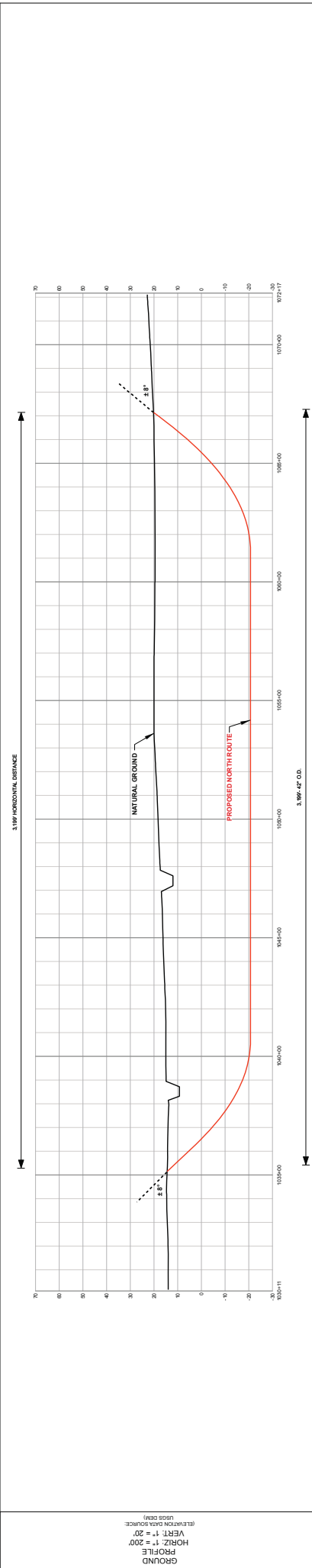
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A	FOR PERMITTING	06/12/07	GLE		

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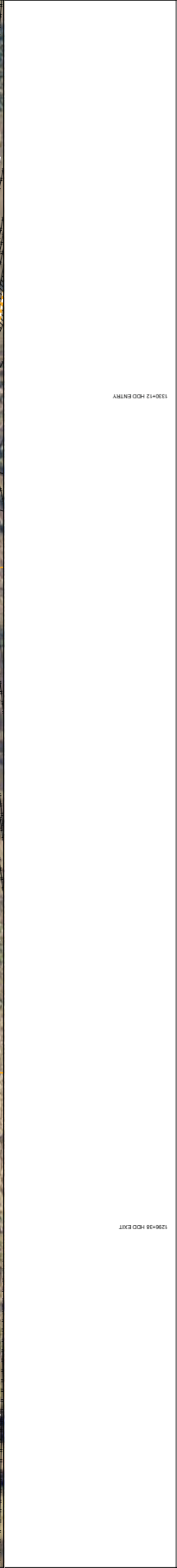
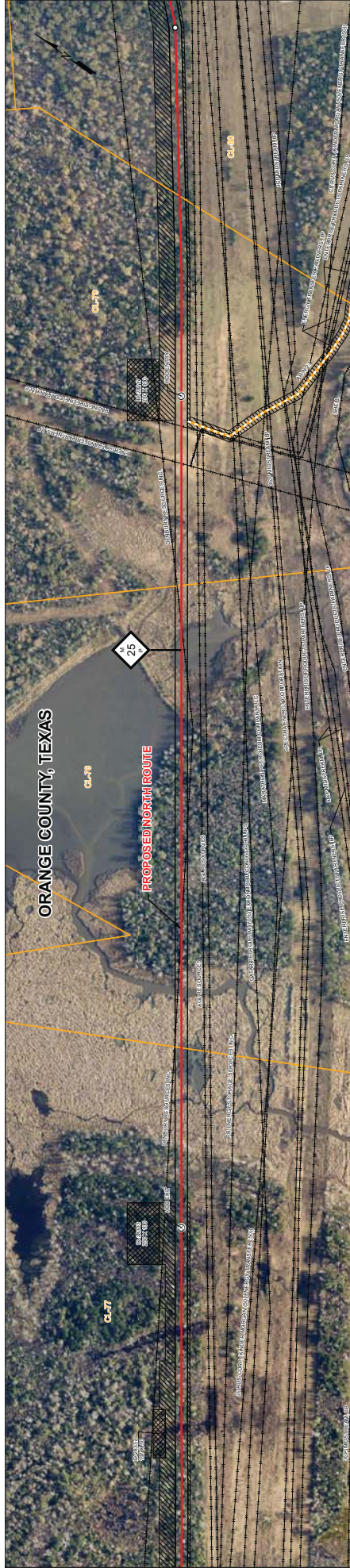
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A	FOR PERMITTING	06/12/07	GLE		



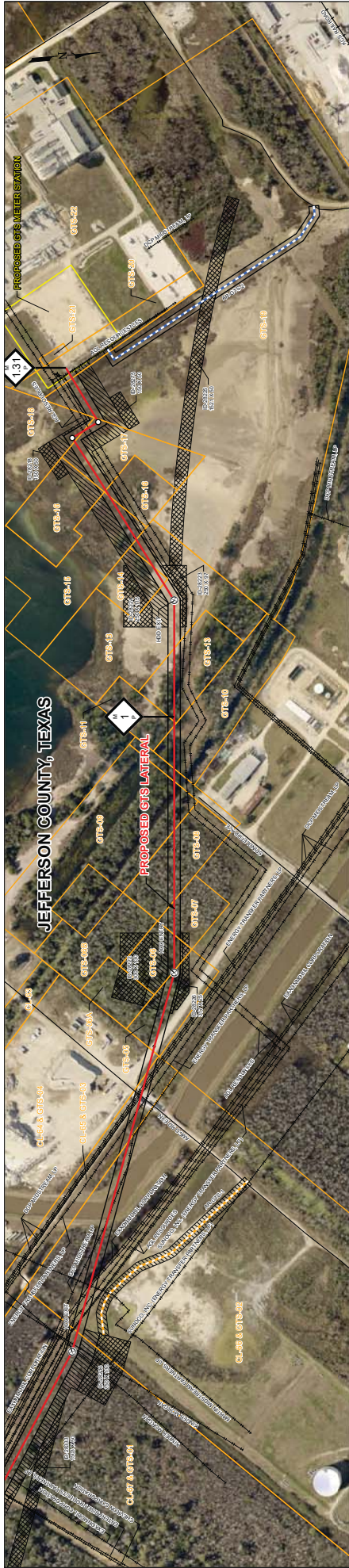
PRELIM DATA	STATIONING
SCALE: 1" = 200' (IMAGERY DATA SOURCE: © 2018/2015) UNIVERSAL PIPES INTERNATIONAL	



BILL OF MATERIALS	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS												
CONTINUOUS CONCRETE COATING PIPE COATING DATA	1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS AND WORK AREAS SHALL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE PRODUCTION AND NOT TRAFFIC ON THE ROAD TO THE WORK AREA AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.	1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS AND WORK AREAS SHALL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE PRODUCTION AND NOT TRAFFIC ON THE ROAD TO THE WORK AREA AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.	EXISTING SURFACE PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT BOUNDARY STATE BOUNDARY	DRAWN: GLE 08/10/2017 CHECKED: BJA 08/10/2017 DATE: 08/10/2017 SHEET: 012 OF 024 SCALE: 1" = 200' FT JOB NO: 22670 CLIENT: UNIVERSAL PIPES INTERNATIONAL PROJECT: PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTC) HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED NORTH ROUTE LINA CANAL APPROVALS: <table border="1"> <tr> <th>DATE</th> <th>BY</th> <th>FOR</th> </tr> <tr> <td>08/10/2017</td> <td>GLE</td> <td>DESIGNER</td> </tr> <tr> <td>08/10/2017</td> <td>BJA</td> <td>CHECKER</td> </tr> <tr> <td>08/10/2017</td> <td>GLE</td> <td>DATE</td> </tr> </table>	DATE	BY	FOR	08/10/2017	GLE	DESIGNER	08/10/2017	BJA	CHECKER	08/10/2017	GLE	DATE
DATE	BY	FOR														
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FITTINGS SUMMARY	DISCLAIMER	GENERAL NOTES	LEGEND	APPROVALS												
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DATE	BY	FOR														
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08/10/2017	GLE	DATE														



PRELIM. DATA	STATIONING	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS	PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)
SCALE: 1" = 200' (MAGNIFY DATA SOURCE) PROJECTIVITY INTERNATIONAL - 01/28/2015		CONTINUOUS CONCRETE COATING PIPE COATING DATA	1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL COVER THE WORK AREA USING A 4" IMP PRODUCTION AND SETTING IN PLACE TO THE WITHIN GRADE AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN. DISCLAIMER UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY COVERED UNDER ACCORDANCE OF CONTRACT AS TO ANY AND ALL INFORMATION, DATA AND INFORMATION PROVIDED TO THE CONTRACTOR AS TO SUCH INFORMATION IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY CONSTRUCTION.	EXISTING SEURIA PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT BOUNDARY STATE BOUNDARY PARCEL TRACT PERMANENT EASEMENT TEMPORARY EASEMENT (TWS) ADDITIONAL TWS SITE PARCEL TRACT PERMANENT BOUNDARY STATE BOUNDARY	DRAWN: GLE CHECKED: B.J.F. DATE: 06/12/2017 SCALE: 1" = 200 FT SHEET: 016 OF 024 JOB NO. 22070 CLIENT: UNIVERSAL PIPES GAS INTERNATIONAL PROJECT: PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC)	UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of Houston Energy Industries
				PERMANENT EASEMENT TEMPORARY EASEMENT (TWS) ADDITIONAL TWS SITE PARCEL TRACT PERMANENT BOUNDARY STATE BOUNDARY	APPROVALS DATE: 06/12/2017 DATE: 06/12/2017 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018	ORANGE COUNTY UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of Houston Energy Industries
				ENVIRONMENTAL DATE: 06/12/2017 CHECKED: B.J.F. DATE: 06/12/2017 SCALE: 1" = 200 FT SHEET: 016 OF 024	UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of Houston Energy Industries	TEXAS PERMITS DATE: 06/12/2017 CHECKED: B.J.F. DATE: 06/12/2017 SCALE: 1" = 200 FT SHEET: 016 OF 024
				BILL OF MATERIALS FITTINGS SUMMARY PIPE ASSEMBLIES PIPE COATING DATA	APPROVALS DATE: 06/12/2017 DATE: 06/12/2017 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018	PORT ARTHUR PIPELINE TEXAS CONNECTOR (PAPTIC) HORIZONTAL DIRECTIONAL DRILL CROSSING STREAM, FOREIGN PIPELINE STREAM, FOREIGN PIPELINE
					APPROVALS DATE: 06/12/2017 DATE: 06/12/2017 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018 DATE: 01/16/2018	UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of Houston Energy Industries
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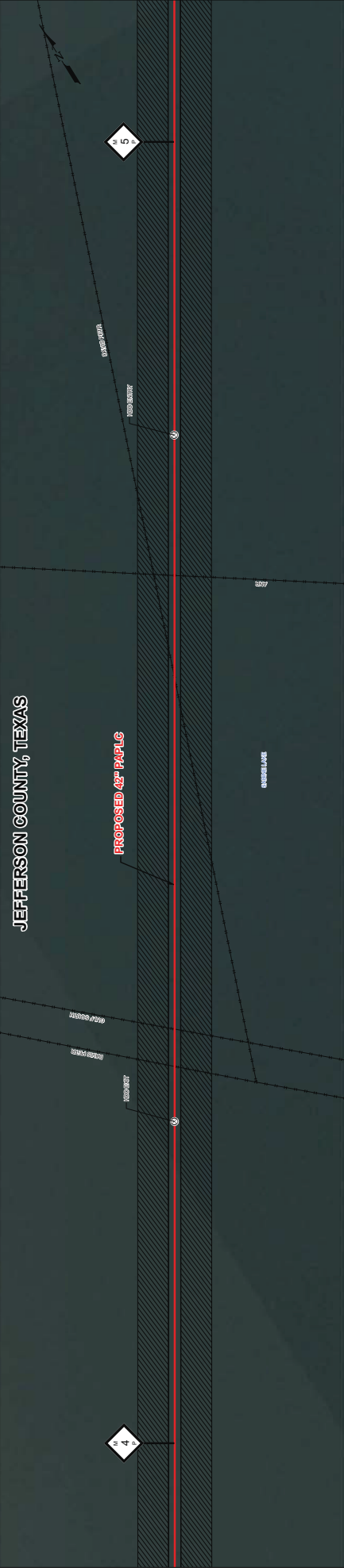
STATIONING	PRELIM. DATA	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS																		
			<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODES OF FEDERAL REGULATIONS. AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE PROJECT. THE CONTRACTOR SHALL PROTECT THE WORK AREA USING DIRT, SAND, OR OTHER MATERIALS TO PREVENT DAMAGE TO THE UNDERGROUND UTILITIES AND TO PREVENT THE PRODUCTION OF POLLUTANTS. THE CONTRACTOR SHALL MAINTAIN THE EXISTING GRADE AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</p> <p>DISCLAIMER UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE DATA PROVIDED TO ANY CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. UNIVERSAL PIPES GAS INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS OR FOR ANY OTHER LIABILITY ARISING OUT OF THE USE OF THIS DRAWING. THE CONTRACTOR SHALL CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY CONSTRUCTION.</p>	<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING SEWER/PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT BOUNDARY STATE BOUNDARY PARCEL TRACT SITE ADDITIONAL TYP TEMPORARY FORDRIVE (TYP) PERMANENT EASEMENT TEMPORARY EASEMENT CONTROL POINT (PI) MANHOLE VALUE (M.V.) PROPOSED POINT (PP) IDENTITY (EXT) MALE POST EXISTING SEWER/PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD PROPOSED ROUTE TEMPORARY ACCESS ROAD PERMANENT ACCESS ROAD PERMANENT BOUNDARY STATE BOUNDARY PARCEL TRACT SITE ADDITIONAL TYP TEMPORARY FORDRIVE (TYP) PERMANENT EASEMENT TEMPORARY EASEMENT 	<p>APPROVALS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DATE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>06/10/2017</td> <td>06/10/2017</td> <td>06/10/2017</td> </tr> <tr> <td>DATE</td> <td>DATE</td> <td>DATE</td> </tr> <tr> <td>BY</td> <td>BY</td> <td>BY</td> </tr> <tr> <td>CHKD</td> <td>CHKD</td> <td>CHKD</td> </tr> <tr> <td>DRAWN</td> <td>DRAWN</td> <td>DRAWN</td> </tr> </tbody> </table> <p>UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of Houston Energy Services</p>	DATE	DATE	DATE	06/10/2017	06/10/2017	06/10/2017	DATE	DATE	DATE	BY	BY	BY	CHKD	CHKD	CHKD	DRAWN	DRAWN	DRAWN
DATE	DATE	DATE																					
06/10/2017	06/10/2017	06/10/2017																					
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CHKD	CHKD	CHKD																					
DRAWN	DRAWN	DRAWN																					
					<p>BILL OF MATERIALS</p> <p>CONTINUOUS CONCRETE COATING</p> <p>PIPE COATING DATA</p>																		
					<p>FITTINGS SUMMARY</p> <p>PIPE ASSEMBLIES</p>																		
					<p>GROUND PROFILE</p> <p>HORIZ. 1" = 200'</p> <p>VERT. 1" = 20'</p> <p>(ELEVATION DATA SOURCE: USGS DEM)</p>																		

NO	REVISION	DATE	BY	CHKD	APPD
1	ISSUE FOR PERMITTING	06/10/2017	BY	CHKD	APPD
2	FOR REVIEW	06/10/2017	BY	CHKD	APPD
3	FOR REVIEW	06/10/2017	BY	CHKD	APPD
4	FOR REVIEW	06/10/2017	BY	CHKD	APPD
5	FOR REVIEW	06/10/2017	BY	CHKD	APPD
6	FOR REVIEW	06/10/2017	BY	CHKD	APPD
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56	FOR REVIEW	06/10/2017	BY	CHKD	APPD
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59	FOR REVIEW	06/10/2017	BY	CHKD	APPD
60	FOR REVIEW	06/10/2017	BY	CHKD	APPD
61	FOR REVIEW	06/10/2017	BY	CHKD	APPD
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99	FOR REVIEW	06/10/2017	BY	CHKD	APPD
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LOUISIANA CONNECTOR PROJECT

JEFFERSON COUNTY, TEXAS

PROPOSED 42" PAPLC



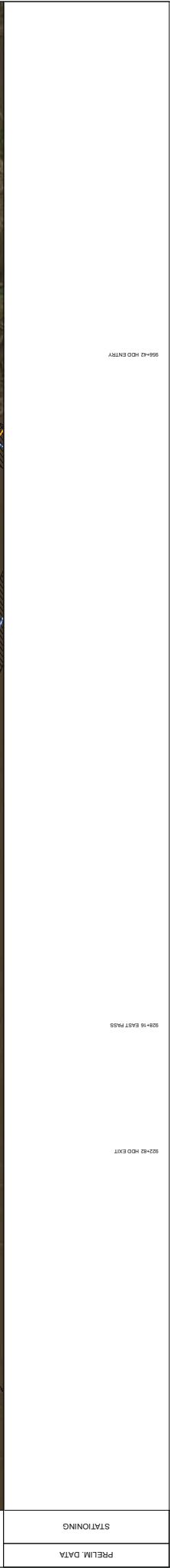
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 (IMAGERY DATA SOURCE: XGIS MAPING, INC. - 04242017)

PRELIM. DATA
 STATIONING



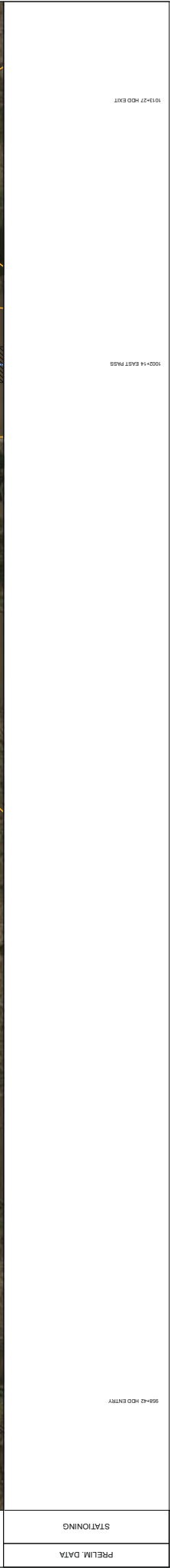
GROUND PROFILE
 HORIZ. 1" = 200'
 VERT. 1" = 20'
 (ELEVATION DATA SOURCE: XGIS DEM)

BILL OF MATERIALS		GENERAL NOTES		LEGEND		APPROVALS																	
MISCELLANEOUS MATERIALS		<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING THE EXISTING ROADWAYS AND DRIVEWAYS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.</p>		<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD WATER CENTERLINE WATER ACCESS ROAD NONAPPROVED ACCESS ROAD WATER ACCESS ROUTE STATE BOUNDARY 		<p>APPROVALS</p> <table border="1"> <tr> <th>DRAWN</th> <th>DATE</th> <th>DATE</th> <th>DATE</th> </tr> <tr> <td>CHD</td> <td>08/12/2017</td> <td>08/12/2017</td> <td>08/12/2017</td> </tr> <tr> <td>SCALE</td> <td>1" = 200' FT</td> <td>1" = 200' FT</td> <td>05/02/08</td> </tr> </table>		DRAWN	DATE	DATE	DATE	CHD	08/12/2017	08/12/2017	08/12/2017	SCALE	1" = 200' FT	1" = 200' FT	05/02/08	<p>GENERAL NOTES</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE INFORMATION CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL CONTACT THE STATE "ONE CALL" CENTER FOR ANY INFORMATION.</p>		<p>DISCLAIMER</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE INFORMATION CONTAINED HEREIN IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL CONTACT THE STATE "ONE CALL" CENTER FOR ANY INFORMATION.</p>	
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SCALE	1" = 200' FT	1" = 200' FT	05/02/08																				
FITTINGS SUMMARY		<p>PERMANENT EASEMENT</p> <p>TEMPORARY EASEMENT (75%)</p> <p>ADDITIONAL TYP</p> <p>WATERBODY</p> <p>WETLAND</p> <p>PARCEL TRACT</p> <p>PARISH/COUNTY BOUNDARY</p> <p>STATE BOUNDARY</p>		<p>ENVIRONMENTAL</p> <p>DATE: 08/12/2017</p> <p>SCALE: 1" = 200' FT</p> <p>DATE: 08/12/2017</p> <p>SCALE: 1" = 200' FT</p>		<p>COMPANY</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>JEFFERSON COUNTY</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>															
PIPE ASSEMBLIES		<p>CONTINUOUS CONCRETE COATING</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>															
PIPE COATING DATA		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>		<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL</p>															



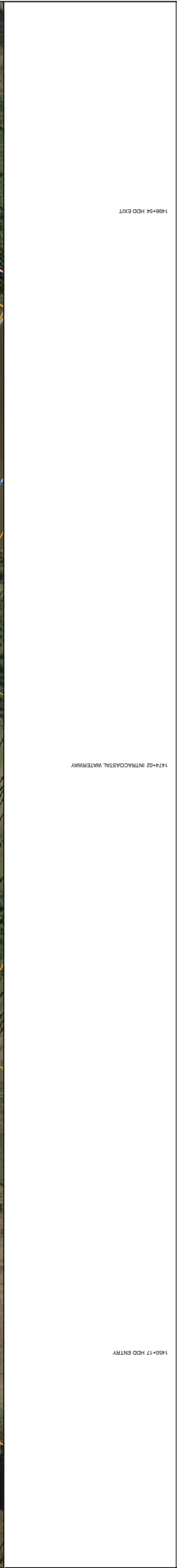
PRELIM. DATA	STATIONING
SCALE: 1" = 200' (IMAGERY DATA SOURCE: XKB3 IMAGING, INC. - 04620217)	PROPOSED 42" PAPLC HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED 42" PAPLC SABINE LAKE CAMERON PARISH LOUISIANA

BILL OF MATERIALS	GENERAL NOTES	LEGEND	APPROVALS
MISCELLANEOUS MATERIALS CONTINUOUS CONCRETE COATING PIPE COATING DATA	1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE CONVEYED RIGHTS OF WAY. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING EXISTING ROADS AND SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF NEW ROADS OR BRIDGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY.	EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE ROAD WATER CENTERLINE WATER ACCESS ROUTE IMPROVED ACCESS ROAD NON-APPROVED ACCESS ROAD WATER ACCESS ROUTE STATE BOUNDARY	DRAWN: GLE 08/10/2017 CHECKED: GLE 08/10/2017 DATE: 08/10/2017 SCALE: 1" = 200 FT SHEET: 03 OF 03 JOB NO: 2307 CLIENT: UNIVERSAL PIGASIS INTERNATIONAL PROJECT: PORT ARTHUR PIPELINE CONNECTOR (PAPLC) # P000048 APPROVALS: UNIVERSAL PIGASIS INTERNATIONAL APPROVED: UNIVERSAL PIGASIS INTERNATIONAL DATE: 08/10/2017 SCALE: AS SHOWN SHEET NO: 03 OF 03
FITTINGS SUMMARY PIPE ASSEMBLIES	2. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE CONVEYED RIGHTS OF WAY. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING EXISTING ROADS AND SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF NEW ROADS OR BRIDGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHTS OF WAY.	PERMANENT EASEMENT TEMPORARY EASEMENT (TWE) ADDITIONAL TWE SITE WATERBODY WETLAND PARCELS TRACT PARISH/CONTRACT BOUNDARY STATE BOUNDARY	UNIVERSAL PIGASIS INTERNATIONAL APPROVED: UNIVERSAL PIGASIS INTERNATIONAL DATE: 08/10/2017 SCALE: AS SHOWN SHEET NO: 03 OF 03



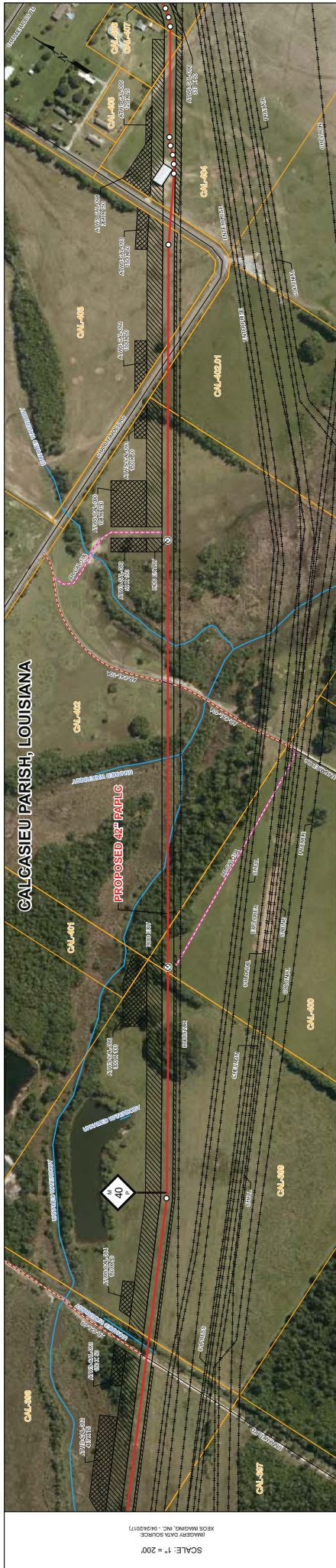
STATIONING	PRELIM. DATA
98400	GROUND PROFILE
98400	HORIZ. 1" = 200'
98400	VERT. 1" = 20'
98400	(ELEVATION DATA SOURCE: USGS DEM)

BILL OF MATERIALS		MISCELLANEOUS MATERIALS		GENERAL NOTES		LEGEND		APPROVALS		PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PAPLC) HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED 42" PAPLC EAST PASS																		
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<p>FITTINGS SUMMARY</p> <p>CONTINUOUS CONCRETE COATING</p>		<p>PIPE COATING DATA</p>		<p>DISCLAIMER</p> <p>UNIVERSAL PIGGASIS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION AS TO THE ACCURACY OF ANY DATA OR INFORMATION PROVIDED TO ANY PARTY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES AND STRUCTURES AS SHOWN.</p>		<p>UNIVERSAL PIGGASIS INTERNATIONAL A Subsidiary of International Piggasius Inc.</p>		<p>DATE: 06/10/2017 SCALE: 1" = 200' JOB NO: 23707 PROJECT: PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PAPLC) EAST PASS</p>		<p>DATE: 06/10/2017 SCALE: 1" = 200' JOB NO: 23707 PROJECT: PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PAPLC) EAST PASS</p>																		
<p>PIPE ASSEMBLIES</p>		<p>REVISION</p> <table border="1"> <thead> <tr> <th>NO</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>06/10/2017</td> <td>ISSUE FOR PERMITTING</td> </tr> </tbody> </table>		NO	DATE	DESCRIPTION	1	06/10/2017	ISSUE FOR PERMITTING	<p>DATE</p> <p>06/10/2017</p>																		
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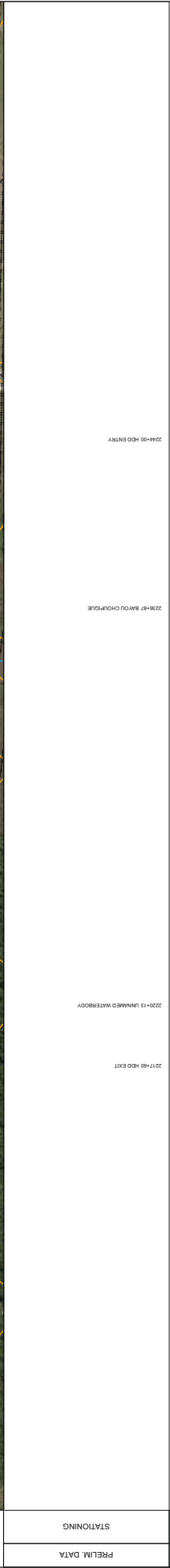
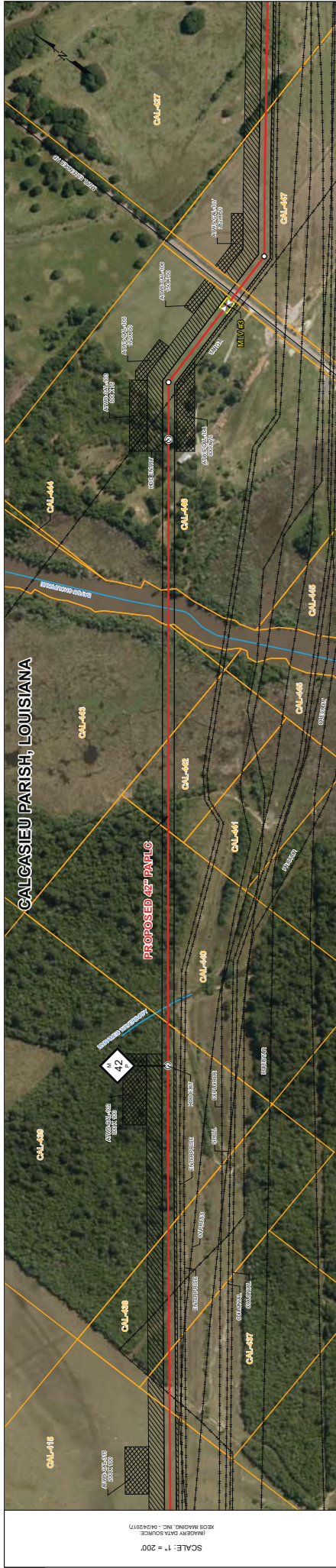
STATIONING	PRELIM DATA
1459+17	HCO ENTRY
1459+19	HCO EXIT

GROUND PROFILE HORIZ. 1" = 20' VERT. 1" = 80' (ELEVATION DATA SOURCE: USGS DEM)		LEGEND PERMANENT EASEMENT TEMPORARY EASEMENT (T/E) ADDITIONAL T/E WATERBODY WETLAND PARCEL TRACT PARISH/COUNTY BOUNDARY STATE BOUNDARY EXISTING SEMI-PERMANENT FOREIGN PIPELINE POWERLINE ROAD WATER CENTERLINE IMPROVED ACCESS ROAD UNIMPROVED ACCESS ROAD WATER ACCESS ROUTE MAINTENANCE VALE (M/V)																	
GENERAL NOTES 1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL MATERIALS SHALL REMAIN WITHIN THE CONTRACTOR SHALL ACCESS THE WORK AREA USING A 14' MIN. PROTECTION AND MUST BE MAINTAINED TO THE WITHIN GRADE AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.		DISCLAIMER UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION AS TO THE ACCURACY OF ANY INFORMATION OR DATA PROVIDED TO THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL INFORMATION AND DATA PRIOR TO ANY EXCAVATION. UNIVERSAL PIPES GAS INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PROPERTY OR PERSONS ARISING FROM ANY INFORMATION OR DATA PROVIDED TO THE CONTRACTOR.																	
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219+41	PROFILE SOURCE VERT. 1" = 20' HORIZ. 1" = 200' (ELEVATION DATA SOURCE: USGS DEM)	MISCELLANEOUS MATERIALS	<p>1. THE ANTIPIPERLINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE CONTRACTOR SHALL ACCESS THE WORK AREA USING A 10' PROTECTIVE CURB AND SHALL BE RESPONSIBLE FOR THE PROTECTION AND RESTORATION OF THE AREA TO ORIGINAL GRADE AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY EXCAVATION.</p> <p>DISCLAIMER UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF ANY INFORMATION OR DATA PROVIDED BY ANY SOURCE. UNIVERSAL PIPES GAS INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN ANY INFORMATION OR DATA PROVIDED BY ANY SOURCE. UNIVERSAL PIPES GAS INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS IN ANY INFORMATION OR DATA PROVIDED BY ANY SOURCE.</p>	<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING BEMPA PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD WATER CENTERLINE WATER ACCESS ROUTE IMPROVED ACCESS ROAD NON-APPROVED ACCESS ROAD WATER ACCESS ROUTE STATE BOUNDARY <p>PERMANENT EASEMENT</p> <ul style="list-style-type: none"> TEMPORARY EASEMENT (TWE) ADDITIONAL TWE SITE WATERBODY WETLAND PARCEL TRACT PARCEL BOUNDARY STATE BOUNDARY 	<p>APPROVALS</p> <table border="1"> <thead> <tr> <th>DRAWN</th> <th>CLE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>CHMO</td> <td>CAS</td> <td>06/12/2017</td> </tr> <tr> <td>APPO</td> <td>FAT</td> <td>06/17/2017</td> </tr> <tr> <td>SCALE</td> <td>1" = 200' FT</td> <td>06/07/2017</td> </tr> </tbody> </table> <p>CLIENT: UNIVERSAL PIPES GAS INTERNATIONAL UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of International Pipelines Inc.</p>	DRAWN	CLE	DATE	CHMO	CAS	06/12/2017	APPO	FAT	06/17/2017	SCALE	1" = 200' FT	06/07/2017
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		CONTINUOUS CONCRETE COATING															
		PIPE COATING DATA															

NO	REVISION	DATE	BY	APPD
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98	FOR PERMITTING	06/27/2017	CAS	FAT
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100	FOR PERMITTING	06/27/2017	CAS	FAT



STATIONING	PRELIM DATA	GROUND PROFILE	APPROVALS
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2256+00	2256+00	2256+00	DATE: 06/11/2017
2257+00	2257+00	2257+00	DATE: 06/11/2017
2258+00	2258+00	2258+00	DATE: 06/11/2017
2259+00	2259+00	2259+00	DATE: 06/11/2017
2260+00	2260+00	2260+00	DATE: 06/11/2017
2261+00	2261+00	2261+00	DATE: 06/11/2017
2262+00	2262+00	2262+00	DATE: 06/11/2017
2263+00	2263+00	2263+00	DATE: 06/11/2017
2264+00	2264+00	2264+00	DATE: 06/11/2017

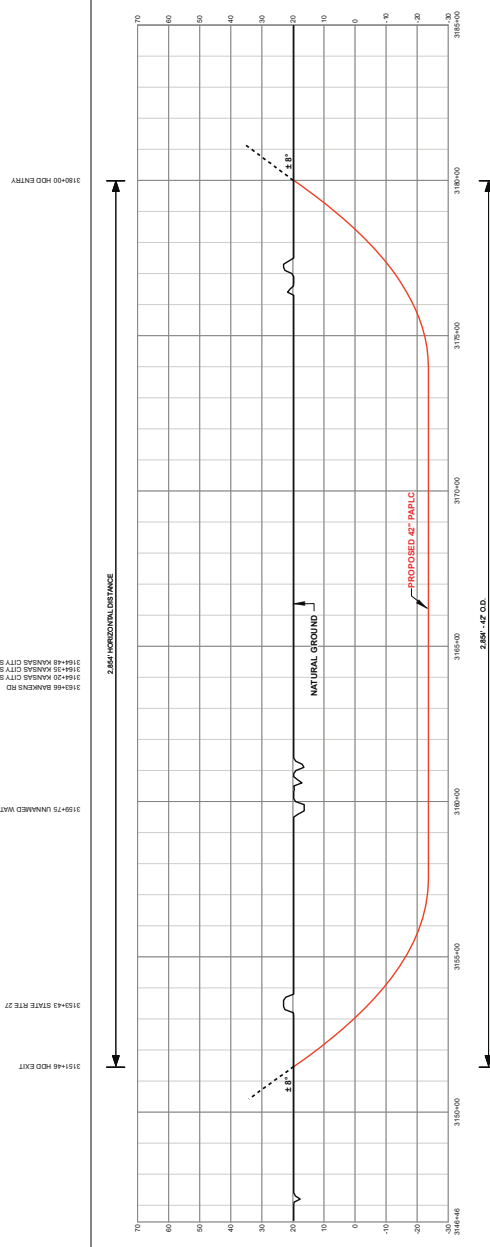
BILL OF MATERIALS	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS								
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	<p>CONTINUOUS CONCRETE COATING</p> <p>PIPE COATING DATA</p>			<p>UNIVERSAL PIPES GAS INTERNATIONAL</p> <p>23707-507-HDW-2010</p>								



SCALE: 1" = 200'
 (MAGNETY DATA SOURCE)
 XCOB MAPPING, INC. - 04620917

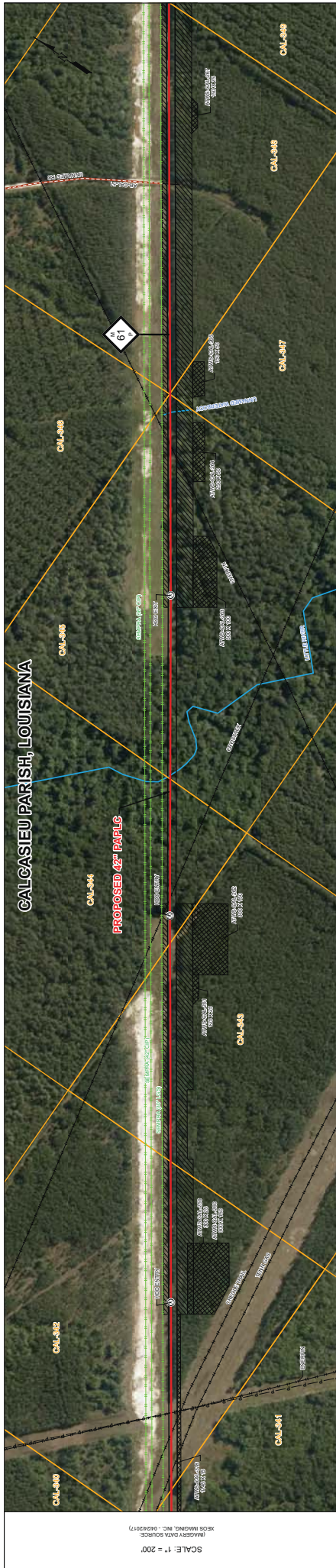
PRELIM. DATA
 STATIONING

3154+00 H2O EXIT
 3154+00 STATE RTE 27
 3154+00 KANSAS CITY SOUTHERN RR
 3163+00 BANKERS RD
 3164+00 KANSAS CITY SOUTHERN RR
 3164+00 KANSAS CITY SOUTHERN RR
 3190+00 H2O ENTRY



GROUND PROFILE
 HORIZ. 1" = 200'
 VERT. 1" = 20'
 (ELEVATION DATA SOURCE)
 XCOB MAPPING, INC.

BILL OF MATERIALS		GENERAL NOTES		LEGEND		APPROVALS			
MISCELLANEOUS MATERIALS		<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. UNLESS OTHERWISE SPECIFIED, ALL WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE PROJECT. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES. A MAP PRODUCTION AND SITE LAYOUT SHALL BE PROVIDED TO THE CLIENT WITHIN 10 BUSINESS DAYS OF THE START OF WORK. IT WILL BE THE CLIENT'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES AND TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY CONSTRUCTION.</p> <p>DISCLAIMER UNIVERSAL PIPES GAS INTERNATIONAL MAKES NO WARRANTY, EXPRESS OR IMPLIED, REGARDING THE ACCURACY OF ANY DATA OR INFORMATION PROVIDED TO THE CLIENT. THE CLIENT SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA AND INFORMATION PROVIDED TO THE CLIENT. UNIVERSAL PIPES GAS INTERNATIONAL SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITIES OR FOR ANY OTHER LOSS OR INJURY RESULTING FROM THE USE OF ANY DATA OR INFORMATION PROVIDED TO THE CLIENT.</p>		<p>EXISTING SEWER PIPELINE FOREIGN PIPELINE POWERLINE CONTROL POINT (PI) MAINLINE VALVE (M/V) PROPOSED ROUTE IMPROVED ACCESS ROAD NON-APPROVED ACCESS ROAD WATER ACCESS ROUTE WATERBODIES WETLAND PARCEL TRACT PARISH/COUNTY BOUNDARY STATE BOUNDARY</p>		<p>DATE: 08/10/2017 DATE: 08/10/2017 DATE: 08/10/2017 SHEET: 01 OF 03</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of International Pipelines Inc.</p>		<p>DATE: 08/10/2017 DATE: 08/10/2017 DATE: 08/10/2017 SHEET: 01 OF 03</p> <p>UNIVERSAL PIPES GAS INTERNATIONAL A Subsidiary of International Pipelines Inc.</p>	
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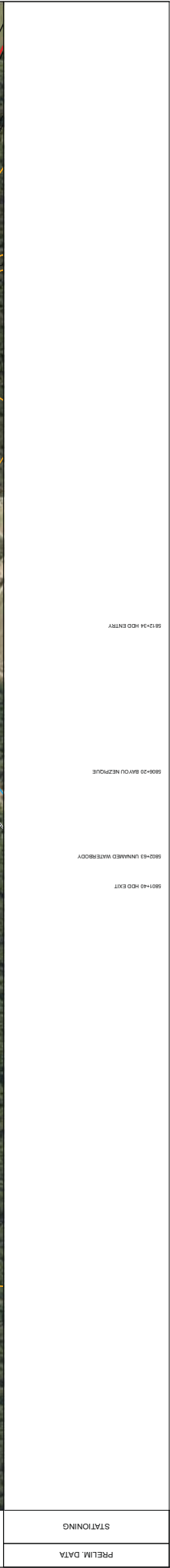
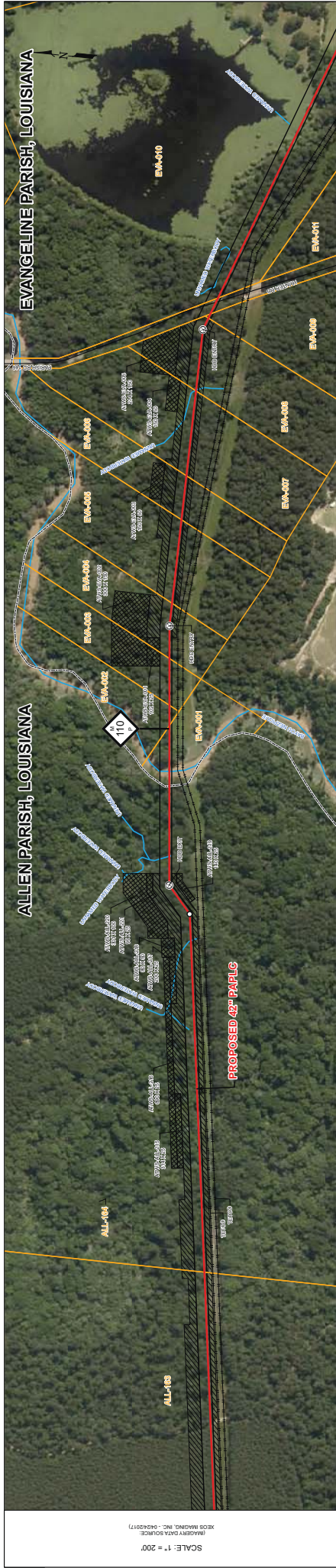


STATIONING	PRELIM. DATA	BILL OF MATERIALS	MISCELLANEOUS MATERIALS	GENERAL NOTES	LEGEND	APPROVALS																								
				<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODES OF FEDERAL REGULATIONS. WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR SHALL ACCESS THE WORK AREA USING A MAP PRODUCTION AND SHALL BE LIMITED TO THE WORK AREA AS SHOWN. IF THE WORK AREA IS TO BE CHANGED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</p> <p>DISCLAIMER UNIVERSAL PIGASIS INTERNATIONAL MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, REGARDING THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE INFORMATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.</p>	<p>LEGEND</p> <ul style="list-style-type: none"> EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD WATER CENTERLINE WATER ACCESS ROAD NON-APPROVED ACCESS ROAD WATER ACCESS ROUTE STATE BOUNDARY 	<p>APPROVALS</p> <table border="1"> <thead> <tr> <th>DRAWN</th> <th>CSE</th> <th>DATE</th> <th>BY</th> <th>DATE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>08/12/2017</td> <td></td> <td>08/12/2017</td> <td></td> </tr> <tr> <td></td> <td></td> <td>08/12/2017</td> <td></td> <td>08/12/2017</td> <td></td> </tr> <tr> <td></td> <td></td> <td>08/12/2017</td> <td></td> <td>08/12/2017</td> <td></td> </tr> </tbody> </table> <p>SCALE: 1" = 200'</p> <p>SCALE: 1" = 200'</p>	DRAWN	CSE	DATE	BY	DATE	DATE			08/12/2017		08/12/2017				08/12/2017		08/12/2017				08/12/2017		08/12/2017	
DRAWN	CSE	DATE	BY	DATE	DATE																									
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		08/12/2017		08/12/2017																										

PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PAPLC)		HORIZONTAL DIRECTIONAL DRILL CROSSING		PROPOSED 42" PAPI LC		LITTLE RIVER		LOUISIANA	
CALCASIEU PARISH		CALCASIEU PARISH		CALCASIEU PARISH		CALCASIEU PARISH		CALCASIEU PARISH	
UNIVERSAL PIGASIS INTERNATIONAL		UNIVERSAL PIGASIS INTERNATIONAL		UNIVERSAL PIGASIS INTERNATIONAL		UNIVERSAL PIGASIS INTERNATIONAL		UNIVERSAL PIGASIS INTERNATIONAL	
A Subsidiary of International Pipelines Inc.		A Subsidiary of International Pipelines Inc.		A Subsidiary of International Pipelines Inc.		A Subsidiary of International Pipelines Inc.		A Subsidiary of International Pipelines Inc.	
PROJECT NO. 23707-507-HDW-2017		PROJECT NO. 23707-507-HDW-2017		PROJECT NO. 23707-507-HDW-2017		PROJECT NO. 23707-507-HDW-2017		PROJECT NO. 23707-507-HDW-2017	
DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017	
SCALE: 1" = 200'		SCALE: 1" = 200'		SCALE: 1" = 200'		SCALE: 1" = 200'		SCALE: 1" = 200'	
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CHECKED: [Name]		CHECKED: [Name]		CHECKED: [Name]		CHECKED: [Name]		CHECKED: [Name]	
DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017		DATE: 08/12/2017	
REVISION: [Number]		REVISION: [Number]		REVISION: [Number]		REVISION: [Number]		REVISION: [Number]	
NO.		NO.		NO.		NO.		NO.	
DRAWN		DRAWN		DRAWN		DRAWN		DRAWN	
CHKD		CHKD		CHKD		CHKD		CHKD	
APD		APD		APD		APD		APD	
REV		REV		REV		REV		REV	

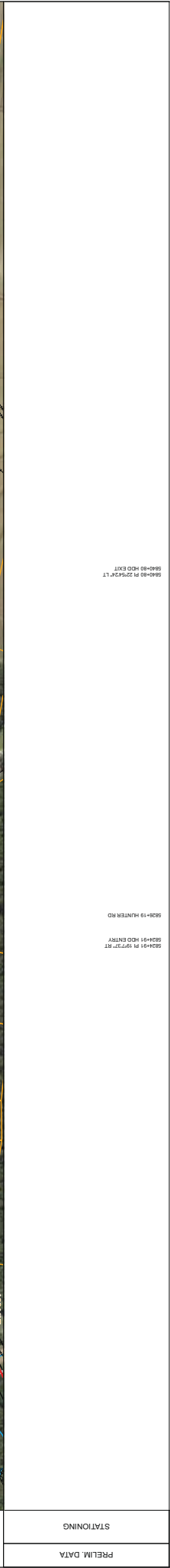


STATIONING	PRELIM DATA
SCALE: 1" = 200' (MAGNETY DATA SOURCE) XGIS MAPPING, INC. - 04/20/2017	
PROFILE HORIZ. 1" = 200' VERT. 1" = 20' (ELEVATION DATA SOURCE) USGS DEM	
GENERAL NOTES 1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODES OF FEDERAL REGULATIONS AND SHALL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE COVERED AREA. THE CONTRACTOR SHALL MAINTAIN THE WORK AREA USING DAILY PROTECTION AND SHALL NOT ALLOW ANY MATERIAL TO BE PLACED ON THE PROTECTED AREA. A MAP PRODUCTION AND LITING SHALL BE PROVIDED TO THE CONTRACTOR AS SHOWN. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE STATE "ONE CALL" CENTER PRIOR TO ANY CONSTRUCTION.	
MISCELLANEOUS MATERIALS CONTINUOUS CONCRETE COATING PIPE COATING DATA	
BILL OF MATERIALS FITTINGS SUMMARY PIPE ASSEMBLIES	
LEGEND EXISTING BURIED PIPELINE FOREIGN PIPELINE POWERLINE ROAD WATER CENTERLINE WATER ACCESS ROUTE WATER ACCESS ROAD NON-APPROVED ACCESS ROAD WATER ACCESS ROUTE STATE BOUNDARY	
LEGEND PERMANENT EASEMENT TEMPORARY EASEMENT (TWE) ADDITIONAL TWE SITE WATERBODY WETLAND PARCEL TRACT PARCEL BOUNDARY STATE BOUNDARY	
APPROVALS DRAWN: GLE 08/12/2017 CHECKED: CSE 08/12/2017 SCALE: 1" = 200' FT SHEET: 02 OF 08 JOB NO: 23707 CLIENT: UNIVERSAL PIGASIS INTERNATIONAL PROJECT: PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PARLC) APPROVAL: COMPANY DATE: 08/12/2017 BY: UNIVERSAL PIGASIS INTERNATIONAL TITLE: PROJECT MANAGER SIGNATURE: [Signature] DATE: 08/12/2017 BY: [Signature] TITLE: [Title]	
PORT ARTHUR PIPELINE LOUISIANA CONNECTOR (PARLC) HORIZONTAL DIRECTIONAL DRILL CROSSING PROPOSED 42" PAPLC CALCASIEU RIVER ALLEN PARISH LOUISIANA Universal PIGASIS INTERNATIONAL A Subsidiary of International Pipelines Inc.	
REVISION NO. DATE DESCRIPTION A 08/12/2017 GLE B 08/12/2017 GLE C 08/12/2017 GLE D 08/12/2017 GLE E 08/12/2017 GLE F 08/12/2017 GLE G 08/12/2017 GLE H 08/12/2017 GLE I 08/12/2017 GLE J 08/12/2017 GLE K 08/12/2017 GLE L 08/12/2017 GLE M 08/12/2017 GLE N 08/12/2017 GLE O 08/12/2017 GLE P 08/12/2017 GLE Q 08/12/2017 GLE R 08/12/2017 GLE S 08/12/2017 GLE T 08/12/2017 GLE U 08/12/2017 GLE V 08/12/2017 GLE W 08/12/2017 GLE X 08/12/2017 GLE Y 08/12/2017 GLE Z 08/12/2017 GLE AA 08/12/2017 GLE AB 08/12/2017 GLE AC 08/12/2017 GLE AD 08/12/2017 GLE AE 08/12/2017 GLE AF 08/12/2017 GLE AG 08/12/2017 GLE AH 08/12/2017 GLE AI 08/12/2017 GLE AJ 08/12/2017 GLE AK 08/12/2017 GLE AL 08/12/2017 GLE AM 08/12/2017 GLE AN 08/12/2017 GLE AO 08/12/2017 GLE AP 08/12/2017 GLE AQ 08/12/2017 GLE AR 08/12/2017 GLE AS 08/12/2017 GLE AT 08/12/2017 GLE AU 08/12/2017 GLE AV 08/12/2017 GLE AW 08/12/2017 GLE AX 08/12/2017 GLE AY 08/12/2017 GLE AZ 08/12/2017 GLE BA 08/12/2017 GLE BB 08/12/2017 GLE BC 08/12/2017 GLE BD 08/12/2017 GLE 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GLE WM	



PRELIM. DATA	STATIONING
GROUND PROFILE VERT. 1" = 20' HORIZ. 1" = 20' (ELEVATION DATA SOURCE: USGS DEM)	
<p>SCALE: 1" = 200'</p> <p>(MAGNETIC DATA SOURCE: KICBS MAPPING, INC. - 04/24/2017)</p>	

GENERAL NOTES	MISCELLANEOUS MATERIALS	LEGEND	APPROVALS																		
<p>1. THE MINIMUM PIPELINE DEPTH OF COVER SHALL BE PER THE CODE OF FEDERAL REGULATIONS. WORK AREAS WILL BE CLEARLY MARKED AND ALL WORK SHALL REMAIN WITHIN THE BOUNDARIES OF THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL ACCESS THE WORK AREA USING EXISTING ROADS AND SHALL NOT BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND RIGHTS OF WAY.</p>	<p>CONTINUOUS CONCRETE COATING</p> <p>PIPE COATING DATA</p>	<p>EXISTING SURVEY PIPELINE FOREIGN PIPELINE POWERLINE RAILROAD ROAD WATER CENTERLINE WATER ACCESS ROUTE WATER ACCESS ROAD WATER ACCESS ROUTE</p>	<table border="1"> <thead> <tr> <th>DATE</th> <th>DATE</th> <th>DATE</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> </tr> <tr> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> </tr> <tr> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> <td>08/10/2017</td> </tr> </tbody> </table>	DATE	DATE	DATE	DATE	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017	08/10/2017		
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APPENDIX K

WETLANDS AFFECTED BY THE TEXAS CONNECTOR AND LOUISIANA CONNECTOR PROJECTS

**WETLANDS AFFECTED BY THE TEXAS
CONNECTOR PROJECT**

APPENDIX K.1

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	County State or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
Northern Pipeline								
0.2	ESS	TX	Jefferson	Wetland 2	46.8	HDD	0.1	0.0
0.5	ESS	TX	Jefferson	Wetland 2	1,191.4	Push	1.1	0.0
0.5	ESS	TX	Jefferson	Wetland 2	0.0	NA	0.3	0.0
0.9	PEM	TX	Jefferson	Wetland 3	0.0	NA	1.2	0.0
1.0	PEM	TX	Jefferson	Wetland 1	0.0	NA	6.6	0.0
1.1	PEM	TX	Jefferson	Wetland 3	748.6	Push	1.5	0.0
1.5	PEM	TX	Jefferson	Wetland 1	638.0	Push	0.7	0.0
1.5	PEM	TX	Jefferson	Wetland 1	0.0	NA	0.1	0.0
1.5	PEM	TX	Jefferson	Wetland 1	70.4	HDD	0.1	0.0
1.6	PEM	TX	Jefferson	Wetland 3	0.0	NA	0.0	0.0
1.6	PEM	TX	Jefferson	Wetland 3	130.6	HDD	0.2	0.0
2.1	ESS	TX	Jefferson	North Route Wetland 24	3,226.6	HDD	3.7	0.0
2.4	EEM	TX	Jefferson	North Route Wetland 25	192.0	HDD	0.2	0.0
2.6	EEM	TX	Jefferson	North Route Wetland 26	353.6	HDD	0.4	0.0
2.7	EEM	TX	Jefferson	North Route Wetland 26	0.0	NA	2.2	0.0
2.7	EEM	TX	Jefferson	North Route Wetland 26	0.0	NA	0.3	0.0
2.8	EEM	TX	Jefferson	North Route Wetland 26	1,291.0	Push	1.5	0.0
3.5	PEM	TX	Jefferson	North Route Wetland 27	6,320.1	Push	7.3	0.0
3.5	PEM	TX	Jefferson	North Route Wetland 27	0.0	NA	9.6	0.0
3.5	PEM	TX	Jefferson	North Route Wetland 27	0.0	NA	1.5	0.0
4.5	PEM	TX	Jefferson	North Route Wetland 27	4,398.2	HDD	5.1	0.0
5.0	PSS	TX	Jefferson	North Route Wetland 30	0.0	NA	0.0	0.0
5.2	PSS	TX	Jefferson	North Route Wetland 31	682.7	HDD	0.8	0.0
5.3	PSS	TX	Jefferson	North Route Wetland 32	127.4	HDD	0.2	0.0
5.5	PEM	TX	Jefferson	North Route Wetland 33	1,293.7	HDD	1.5	0.0
5.6	PSS	TX	Jefferson	North Route Wetland 34	195.7	HDD	0.2	0.0
5.7	PSS	TX	Jefferson	North Route Wetland 35	254.7	HDD	0.3	0.0
5.7	PUB	TX	Jefferson	North Route Wetland 36	23.4	HDD	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
5.9	PEM	TX	Jefferson	North Route Wetland 37	1,537.7	HDD	1.8	1.8	0.0
6.1	PEM	TX	Jefferson	North Route Wetland 38	491.8	HDD	0.6	0.6	0.0
6.2	PEM	TX	Jefferson	North Route Wetland 43	514.5	HDD	0.6	0.6	0.0
6.7	PEM	TX	Jefferson	North Route Wetland 43	0.0	NA	1.2	0.0	0.0
6.7	PEM	TX	Jefferson	North Route Wetland 43	0.0	NA	8.0	0.0	0.0
6.7	PEM	TX	Jefferson	North Route Wetland 43	5,223.2	Push	6.0	6.0	0.0
7.3	PEM	TX	Jefferson	North Route Wetland 44	0.0	NA	0.2	0.0	0.0
7.3	PEM	TX	Jefferson	North Route Wetland 44	930.2	Push	1.1	1.1	0.0
7.3	PEM	TX	Jefferson	North Route Wetland 44	0.0	NA	1.4	0.0	0.0
7.4	PEM	TX	Jefferson	North Route Wetland 51	0.0	NA	0.0	0.0	0.0
7.4	PEM	TX	Jefferson	North Route Wetland 51	0.0	NA	0.0	0.0	0.0
7.4	PEM	TX	Jefferson	North Route Wetland 52	451.2	Push	0.5	0.5	0.0
7.4	PEM	TX	Jefferson	North Route Wetland 52	0.0	NA	0.1	0.0	0.0
7.4	PEM	TX	Jefferson	North Route Wetland 52	0.0	NA	0.9	0.0	0.0
7.5	PSS	TX	Jefferson	North Route Wetland 53	0.0	NA	0.1	0.0	0.0
7.5	PSS	TX	Jefferson	North Route Wetland 53	645.0	Push	0.7	0.7	0.0
7.5	PSS	TX	Jefferson	North Route Wetland 53	0.0	NA	0.8	0.0	0.0
7.7	PEM	TX	Jefferson	North Route Wetland 50	0.0	NA	0.2	0.0	0.0
7.7	PEM	TX	Jefferson	North Route Wetland 50	956.0	Push	1.1	1.1	0.0
7.7	PEM	TX	Jefferson	North Route Wetland 50	0.0	NA	1.9	0.0	0.0
7.8	PEM	TX	Jefferson	North Route Wetland 50	154.7	Trench	0.2	0.2	0.0
7.9	PEM	TX	Jefferson	North Route Wetland 54	0.0	NA	0.2	0.0	0.0
7.9	PEM	TX	Jefferson	North Route Wetland 54	0.0	NA	0.0	0.0	0.0
8.1	PEM	TX	Jefferson	North Route Wetland 55	1,914.8	Trench	2.2	2.2	0.0
8.1	PEM	TX	Jefferson	North Route Wetland 55	0.0	NA	2.9	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
8.1	PEM	TX	Jefferson	North Route Wetland 55	0.0	NA	0.5	0.0	0.0
8.3	PEM	TX	Jefferson	North Route Wetland 55	311.6	HDD	0.4	0.4	0.0
8.3	PEM	TX	Jefferson	North Route Wetland 62	3.0	HDD	0.0	0.0	0.0
8.8	PEM	TX	Jefferson	North Route Wetland 66	455.4	HDD	0.5	0.5	0.0
8.9	PSS	TX	Jefferson	North Route Wetland 67	132.4	HDD	0.2	0.2	0.0
8.9	PEM	TX	Jefferson	North Route Wetland 68	205.1	HDD	0.2	0.2	0.0
9.0	PEM	TX	Jefferson	North Route Wetland 68	0.0	NA	0.1	0.0	0.0
9.0	PEM	TX	Jefferson	North Route Wetland 68	0.0	NA	0.9	0.0	0.0
9.0	PEM	TX	Jefferson	North Route Wetland 68	539.9	Push	0.6	0.6	0.0
9.0	PEM	TX	Jefferson	North Route Wetland 58	0.0	NA	0.0	0.0	0.0
9.1	PEM	TX	Jefferson	North Route Wetland 72	0.0	NA	0.2	0.0	0.0
9.1	PEM	TX	Jefferson	North Route Wetland 72	766.0	Push	0.9	0.9	0.0
9.1	PEM	TX	Jefferson	North Route Wetland 72	0.0	NA	1.1	0.0	0.0
9.5	PEM	TX	Jefferson	North Route Wetland 6	2,903.1	Push	3.3	3.3	0.0
9.5	PEM	TX	Jefferson	North Route Wetland 6	0.0	NA	0.9	0.0	0.0
9.5	PEM	TX	Jefferson	North Route Wetland 6	0.0	NA	5.3	0.0	0.0
9.8	PEM	TX	Jefferson	North Route Wetland 6	707.5	Trench	0.8	0.8	0.0
10.0	PSS	TX	Jefferson	North Route Wetland 77	0.0	NA	1.2	0.0	0.0
10.0	PSS	TX	Jefferson	North Route Wetland 77	0.0	NA	0.2	0.0	0.0
10.0	PSS	TX	Jefferson	North Route Wetland 77	695.9	Trench	0.5	0.5	0.0
10.0	PSS	TX	Jefferson	North Route Wetland 77	772.8	HDD	1.2	1.2	0.0
10.2	PEM	TX	Jefferson	North Route Wetland 78	71.1	HDD	0.1	0.1	0.0
10.3	PSS	TX	Jefferson	North Route Wetland 79	417.7	HDD	0.5	0.5	0.0
10.4	PSS	TX	Jefferson	North Route Wetland 80	844.9	HDD	1.0	1.0	0.0
10.5	PEM	TX	Jefferson	North Route Wetland 73	43.6	HDD	0.0	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
10.5	PEM	TX	Jefferson	North Route Wetland 81	40.7	HDD	0.1	0.1	0.0
10.5	PEM	TX	Jefferson	North Route Wetland 82	27.3	HDD	0.0	0.0	0.0
10.6	PEM	TX	Jefferson	North Route Wetland 83	130.8	HDD	0.3	0.3	0.0
10.6	PEM	TX	Jefferson	North Route Wetland 84	607.1	HDD	0.6	0.6	0.0
10.7	PUB	TX	Jefferson	North Route Wetland 85	921.5	HDD	1.0	1.0	0.0
10.9	PEM	TX	Jefferson	North Route Wetland 87	174.9	HDD	0.2	0.2	0.0
10.9	PEM	TX	Jefferson	North Route Wetland 87	0.0	NA	0.1	0.0	0.0
10.9	PEM	TX	Jefferson	North Route Wetland 87	0.0	NA	0.1	0.0	0.0
10.9	PEM	TX	Jefferson	North Route Wetland 87	124.6	Trench	0.1	0.1	0.0
10.9	PEM	TX	Jefferson	North Route Wetland 88	0.0	NA	0.0	0.0	0.0
11.1	PEM	TX	Jefferson	North Route Wetland 89	0.0	NA	0.1	0.0	0.0
11.1	PEM	TX	Jefferson	North Route Wetland 89	738.2	Trench	0.9	0.9	0.0
11.1	PEM	TX	Jefferson	North Route Wetland 89	0.0	NA	1.8	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 91	0.0	NA	0.1	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 91	0.0	NA	0.0	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 96	2.7	Trench	0.0	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 96	0.0	NA	0.0	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 95	0.0	NA	0.8	0.0	0.0
11.3	PEM	TX	Jefferson	North Route Wetland 95	626.6	Trench	0.7	0.7	0.0
11.4	PEM	TX	Jefferson	North Route Wetland 95	0.0	NA	0.1	0.0	0.0
11.4	PEM	TX	Jefferson	North Route Wetland 97	298.8	Trench	0.3	0.3	0.0
11.4	PEM	TX	Jefferson	North Route Wetland 97	0.0	NA	0.1	0.0	0.0
11.5	PEM	TX	Jefferson	North Route Wetland 97	0.0	NA	0.5	0.0	0.0
11.6	PEM	TX	Jefferson	North Route Wetland 98	0.0	NA	0.0	0.0	0.0
11.6	PEM	TX	Jefferson	North Route Wetland 98	163.7	HDD	0.2	0.2	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
11.7	PSS	TX	Jefferson	North Route Wetland 99	332.6	HDD	0.4	0.4	0.0
11.9	PEM	TX	Jefferson	North Route Wetland 100	763.6	HDD	0.9	0.9	0.0
12.1	PEM	TX	Jefferson	North Route Wetland 102	869.6	HDD	1.0	1.0	0.0
12.3	PEM	TX	Jefferson	North Route Wetland 102	0.0	NA	0.2	0.0	0.0
12.3	PEM	TX	Jefferson	North Route Wetland 102	835.3	Trench	0.9	0.9	0.0
12.3	PEM	TX	Jefferson	North Route Wetland 102	0.0	NA	0.9	0.0	0.0
12.7	PEM	TX	Jefferson	North Route Wetland 105	0.0	NA	0.1	0.0	0.0
12.7	PEM	TX	Jefferson	North Route Wetland 105	398.6	Trench	0.5	0.5	0.0
12.7	PEM	TX	Jefferson	North Route Wetland 105	0.0	NA	0.4	0.0	0.0
13.1	PEM	TX	Jefferson	North Route Wetland 111	397.9	HDD	0.5	0.5	0.0
13.2	PEM	TX	Jefferson	North Route Wetland 112	17.4	HDD	0.0	0.0	0.0
13.3	PEM	TX	Jefferson	North Route Wetland 114	77.9	HDD	0.1	0.1	0.0
13.3	PUB	TX	Jefferson	North Route Wetland 113	0.0	NA	0.0	0.0	0.0
13.3	PEM	TX	Jefferson	North Route Wetland 114	0.0	NA	0.0	0.0	0.0
13.3	PEM	TX	Jefferson	North Route Wetland 114	0.0	NA	0.0	0.0	0.0
13.3	PEM	TX	Jefferson	North Route Wetland 115	0.0	NA	0.0	0.0	0.0
13.6	PEM	TX	Jefferson	North Route Wetland 117	0.0	NA	0.0	0.0	0.0
13.6	PEM	TX	Jefferson	North Route Wetland 117	0.0	NA	0.0	0.0	0.0
13.7	PEM	TX	Jefferson	North Route Wetland 124	37.1	Trench	0.0	0.0	0.0
14.0	PEM	TX	Jefferson	North Route Wetland 126	0.0	NA	0.1	0.1	0.0
14.0	PEM	TX	Jefferson	North Route Wetland 126	0.0	NA	0.0	0.0	0.0
14.1	PEM	TX	Jefferson	North Route Wetland 128	0.0	NA	0.0	0.0	0.0
14.2	PEM	TX	Jefferson	North Route Wetland 129	0.0	NA	0.0	0.0	0.0
14.2	PUB	TX	Jefferson	North Route Wetland 130	220.4	HDD	0.1	0.1	0.0
16.1	PEM	TX	Jefferson	North Route Wetland 132	0.0	NA	0.4	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
16.1	PEM	TX	Jefferson	North Route Wetland 132	1,998.4	Trench	2.3	2.3	0.0
16.1	PEM	TX	Jefferson	North Route Wetland 132	0.0	NA	2.0	0.0	0.0
16.5	PEM	TX	Jefferson	North Route Wetland 133	0.0	NA	0.7	0.0	0.0
16.5	PEM	TX	Jefferson	North Route Wetland 133	336.3	Trench	0.4	0.4	0.0
16.6	PEM	TX	Jefferson	North Route Wetland 134	111.9	Trench	0.3	0.3	0.0
16.6	PEM	TX	Jefferson	North Route Wetland 134	0.0	NA	0.6	0.0	0.0
16.7	PEM	TX	Jefferson	North Route Wetland 135	0.0	NA	0.0	0.0	0.0
16.8	PEM	TX	Jefferson	North Route Wetland 136	202.3	Trench	0.3	0.3	0.0
16.8	PEM	TX	Jefferson	North Route Wetland 136	0.0	NA	0.5	0.0	0.0
16.9	PEM	TX	Jefferson	North Route Wetland 137	0.0	NA	0.0	0.0	0.0
16.9	PEM	TX	Jefferson	North Route Wetland 137	0.0	NA	0.0	0.0	0.0
16.9	PEM	TX	Jefferson	North Route Wetland 138	52.9	Trench	0.1	0.1	0.0
16.9	PEM	TX	Jefferson	North Route Wetland 138	0.0	NA	0.0	0.0	0.0
17.2	PEM	TX	Jefferson	North Route Wetland 140	0.0	NA	0.0	0.0	0.0
17.2	PEM	TX	Jefferson	North Route Wetland 140	0.0	NA	0.1	0.0	0.0
17.5	PEM	TX	Jefferson	North Route Wetland 141	0.0	NA	0.0	0.0	0.0
17.8	PFO	TX	Jefferson	North Route Wetland 144	0.0	NA	0.0	0.0	0.0
17.8	PEM	TX	Jefferson	North Route Wetland 143	423.4	HDD	0.2	0.2	0.0
18.0	PEM	TX	Jefferson	North Route Wetland 145	791.7	HDD	0.1	0.1	0.0
18.1	PFO	TX	Jefferson	North Route Wetland 146	306.4	HDD	0.0	0.0	0.0
18.1	PFO	TX	Jefferson	North Route Wetland 146	0.0	NA	0.2	0.0	0.0
18.1	PFO	TX	Jefferson	North Route Wetland 146	0.0	NA	0.2	0.0	0.0
18.1	PFO	TX	Jefferson	North Route Wetland 146	247.2	Trench	0.0	0.0	0.0
18.1	PEM	TX	Jefferson	North Route Wetland 147	0.0	NA	0.2	0.0	0.0
18.1	PEM	TX	Jefferson	North Route Wetland 145	0.0	NA	0.2	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
18.1	PEM	TX	Jefferson	North Route Wetland 145	0.0	NA	0.3	0.0	0.0
18.1	PEM	TX	Jefferson	North Route Wetland 145	142.4	Trench	0.0	0.0	0.0
18.2	PFO	TX	Jefferson	North Route Wetland 150	0.0	NA	0.0	0.0	0.0
18.2	PEM	TX	Jefferson	North Route Wetland 145	118.3	HDD	0.0	0.0	0.0
18.3	PEM	TX	Jefferson	North Route Wetland 151	54.7	HDD	0.0	0.0	0.0
18.5	PEM	TX	Jefferson	North Route Wetland 153	0.0	NA	0.2	0.0	0.0
18.5	PEM	TX	Jefferson	North Route Wetland 153	159.2	Trench	0.0	0.0	0.0
18.6	PEM	TX	Jefferson	North Route Wetland 153	0.0	NA	0.4	0.0	0.0
18.8	PEM	TX	Jefferson	North Route Wetland 155	177.8	HDD	0.0	0.0	0.0
19.0	PSS	TX	Jefferson	North Route Wetland 159	0.0	NA	0.1	0.0	0.0
19.0	PSS	TX	Jefferson	North Route Wetland 159	8.1	HDD	0.1	0.1	0.0
19.0	PSS	TX	Jefferson	North Route Wetland 159	0.0	NA	0.0	0.0	0.0
19.2	PFO	TX	Jefferson	North Route Wetland 160	0.0	NA	0.2	0.0	0.0
19.2	PFO	TX	Jefferson	North Route Wetland 160	933.7	Trench	1.1	1.1	1.1
19.2	PFO	TX	Jefferson	North Route Wetland 160	0.0	NA	0.7	0.0	0.0
19.3	PFO	TX	Jefferson	North Route Wetland 162	0.0	NA	0.4	0.0	0.0
19.3	PFO	TX	Jefferson	North Route Wetland 162	464.9	Trench	0.5	0.5	0.5
19.3	PFO	TX	Jefferson	North Route Wetland 162	0.0	NA	0.1	0.0	0.0
19.4	PFO	TX	Jefferson	North Route Wetland 163	0.0	NA	0.9	0.0	0.0
19.4	PFO	TX	Jefferson	North Route Wetland 163	595.7	Trench	0.7	0.7	0.7
19.4	PFO	TX	Jefferson	North Route Wetland 163	0.0	NA	0.1	0.0	0.0
19.9	PFO	TX	Jefferson	North Route Wetland 166	395.5	HDD	0.5	0.5	0.5
19.9	PEM	TX	Jefferson	North Route Wetland 169	56.0	HDD	0.1	0.1	0.0
20.0	PFO	TX	Jefferson	North Route Wetland 170	91.7	HDD	0.1	0.1	0.1
20.0	PEM	TX	Jefferson	North Route Wetland 171	22.3	HDD	0.0	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
20.0	PEM	TX	Jefferson	North Route Wetland 172	34.5	HDD	0.0	0.0	0.0
20.7	PEM	TX	Jefferson	North Route Wetland 178	60.0	HDD	0.1	0.1	0.0
21.1	PFO	TX	Jefferson	North Route Wetland 179	0.0	NA	3.0	0.0	0.0
21.2	PEM	TX	Jefferson	North Route Wetland 180	0.0	NA	0.0	0.0	0.0
21.2	PEM	TX	Jefferson	North Route Wetland 180	46.1	Trench	0.0	0.0	0.0
21.2	PEM	TX	Jefferson	North Route Wetland 180	0.0	NA	0.0	0.0	0.0
21.3	PEM	TX	Jefferson	North Route Wetland 181	0.0	NA	0.1	0.0	0.0
21.3	PEM	TX	Jefferson	North Route Wetland 181	44.6	Trench	0.0	0.0	0.0
21.5	PFO	TX	Jefferson	North Route Wetland 182	0.0	NA	0.0	0.0	0.0
21.5	PFO	TX	Jefferson	North Route Wetland 182	0.0	NA	0.1	0.0	0.0
21.6	PSS	TX	Jefferson	North Route Wetland 184	68.5	Trench	0.1	0.1	0.0
21.6	PSS	TX	Jefferson	North Route Wetland 184	0.0	NA	0.1	0.0	0.0
22.5	PFO	TX	Orange	North Route Wetland 192	0.0	NA	0.7	0.0	0.0
22.6	PFO	TX	Orange	North Route Wetland 192	285.8	Trench	0.0	0.0	0.0
22.6	PFO	TX	Orange	North Route Wetland 192	0.0	NA	0.2	0.0	0.0
22.9	PEM	TX	Orange	North Route Wetland 193	0.0	NA	0.3	0.0	0.0
22.9	PEM	TX	Orange	North Route Wetland 193	312.1	Trench	0.0	0.0	0.0
22.9	PEM	TX	Orange	North Route Wetland 193	0.0	NA	0.6	0.0	0.0
23.0	PSS	TX	Orange	North Route Wetland 194	98.9	Trench	0.0	0.0	0.0
23.0	PSS	TX	Orange	North Route Wetland 194	0.0	NA	0.2	0.0	0.0
23.0	PSS	TX	Orange	North Route Wetland 194	0.0	NA	0.2	0.0	0.0
23.1	PSS	TX	Orange	North Route Wetland 194	1,913.9	HDD	0.2	0.2	0.0
23.4	PUB	TX	Orange	North Route Wetland 197	1,167.6	HDD	0.1	0.1	0.0
23.6	PFO	TX	Orange	North Route Wetland 214	580.5	HDD	0.1	0.1	0.1
23.7	PFO	TX	Orange	North Route Wetland 214	0.0	NA	0.4	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
23.7	PFO	TX	Orange	North Route Wetland 214	459.7	Trench	0.0	0.0	0.0
23.7	PFO	TX	Orange	North Route Wetland 214	0.0	NA	1.1	0.0	0.0
23.8	PEM	TX	Orange	North Route Wetland 215	0.0	NA	0.1	0.0	0.0
23.8	PEM	TX	Orange	North Route Wetland 215	116.6	Trench	0.0	0.0	0.0
23.8	PEM	TX	Orange	North Route Wetland 215	0.0	NA	0.2	0.0	0.0
23.8	PSS	TX	Orange	North Route Wetland 216	245.1	Trench	0.0	0.0	0.0
23.8	PSS	TX	Orange	North Route Wetland 216	0.0	NA	0.4	0.0	0.0
23.9	PSS	TX	Orange	North Route Wetland 216	0.0	NA	1.2	0.0	0.0
23.9	PSS	TX	Orange	North Route Wetland 216	444.0	Push	0.3	0.3	0.0
24.0	PFO	TX	Orange	North Route Wetland 217	853.2	Push	1.0	1.0	1.0
24.0	PFO	TX	Orange	North Route Wetland 217	0.0	NA	0.2	0.0	0.0
24.0	PFO	TX	Orange	North Route Wetland 217	0.0	NA	1.4	0.0	0.0
24.3	PSS	TX	Orange	North Route Wetland 218	0.0	NA	0.5	0.0	0.0
24.3	PSS	TX	Orange	North Route Wetland 218	323.4	Push	0.4	0.4	0.0
24.3	PSS	TX	Orange	North Route Wetland 218	0.0	NA	0.1	0.0	0.0
24.4	PSS	TX	Orange	North Route Wetland 221	41.4	Push	0.1	0.1	0.0
24.4	PSS	TX	Orange	North Route Wetland 221	0.0	NA	0.1	0.0	0.0
24.4	PSS	TX	Orange	North Route Wetland 221	0.0	NA	0.0	0.0	0.0
24.4	PSS	TX	Orange	North Route Wetland 221	27.5	Trench	0.0	0.0	0.0
24.5	PFO	TX	Orange	North Route Wetland 222	0.0	NA	0.1	0.0	0.0
24.5	PFO	TX	Orange	North Route Wetland 222	74.3	Trench	0.1	0.1	0.1
24.5	PFO	TX	Orange	North Route Wetland 222	0.0	NA	0.0	0.0	0.0
24.5	PFO	TX	Orange	North Route Wetland 223	0.0	NA	0.1	0.0	0.0
24.5	PFO	TX	Orange	North Route Wetland 223	172.4	Trench	0.3	0.3	0.3
24.5	PFO	TX	Orange	North Route Wetland 223	0.0	NA	0.3	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
24.6	PFO	TX	Orange	North Route Wetland 226B	145.3	HDD	0.2	0.2	0.2
24.7	PUB	TX	Orange	North Route Wetland 227	121.4	HDD	0.1	0.1	0.0
24.7	PEM	TX	Orange	North Route Wetland 226	550.8	HDD	0.7	0.7	0.0
24.9	PUB	TX	Orange	North Route Wetland 228	181.6	HDD	0.2	0.2	0.0
25.0	PUB	TX	Orange	North Route Wetland 230	168.5	HDD	0.2	0.2	0.0
25.0	PEM	TX	Orange	North Route Wetland 229	620.4	HDD	0.7	0.7	0.0
Subtotal					67,529.6		145.0	69.8	4.5
Northern Pipeline Access Roads									
AR-N-1	PEM	TX	Jefferson	North Route Wetland 22	0.0	Access Road Construction	0.3	0.0	0.0
AR-N-1	PEM	TX	Jefferson	Wetland 1	0.0	Access Road Construction	1.2	0.0	0.0
AR-N-1	PEM	TX	Jefferson	Wetland 3	0.0	Access Road Construction	1.5	0.0	0.0
AR-N-10	PEM	TX	Jefferson	North Route Wetland 103	0.0	Access Road Construction	0.4	0.0	0.0
AR-N-10	PEM	TX	Jefferson	North Route Wetland 104	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-11	PEM	TX	Jefferson	North Route Wetland 106	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-11	PEM	TX	Jefferson	North Route Wetland 110	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-12	PEM	TX	Jefferson	North Route Wetland 117	0.0	Access Road Construction	0.8	0.0	0.0
AR-N-12	PEM	TX	Jefferson	North Route Wetland 118	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-12	PEM	TX	Jefferson	North Route Wetland 119	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-12	PEM	TX	Jefferson	North Route Wetland 120	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-12	PEM	TX	Jefferson	North Route Wetland 121	0.0	Access Road Construction	2.4	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
AR-N-12	PFO	TX	Jefferson	North Route Wetland 122	0.0	Access Road Construction	0.6	0.0	0.0
AR-N-19	PEM	TX	Jefferson	North Route Wetland 161	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-2	PEM	TX	Jefferson	North Route Wetland 37	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-2	PEM	TX	Jefferson	North Route Wetland 39	0.0	Access Road Construction	0.5	0.0	0.0
AR-N-2	PEM	TX	Jefferson	North Route Wetland 42	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-2	PSS	TX	Jefferson	North Route Wetland 40	0.0	Access Road Construction	0.7	0.0	0.0
AR-N-24	PEM	TX	Orange	North Route Wetland 199	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-24	PEM	TX	Orange	North Route Wetland 200	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-24	PEM	TX	Orange	North Route Wetland 202	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-24	PFO	TX	Orange	North Route Wetland 191	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-24	PFO	TX	Orange	North Route Wetland 203	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-24	PSS	TX	Orange	North Route Wetland 189	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-24	PSS	TX	Orange	North Route Wetland 198	0.0	Access Road Construction	0.6	0.0	0.0
AR-N-25	PUB	TX	Orange	North Route Wetland 205	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-25	PEM	TX	Orange	North Route Wetland 207	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-25	PEM	TX	Orange	North Route Wetland 212	0.0	Access Road Construction	0.4	0.0	0.0
AR-N-25	PFO	TX	Orange	North Route Wetland 206	0.0	Access Road Construction	0.1	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
AR-N-25	PFO	TX	Orange	North Route Wetland 208	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-25	PFO	TX	Orange	North Route Wetland 211	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-25	PFO	TX	Orange	North Route Wetland 204	0.0	Access Road Construction	0.3	0.0	0.0
AR-N-25	PFO	TX	Orange	North Route Wetland 209	0.0	Access Road Construction	3.7	0.0	0.0
AR-N-25	PFO	TX	Orange	North Route Wetland 210	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-26	PFO	TX	Orange	North Route Wetland 214	0.0	Access Road Construction	0.7	0.0	0.0
AR-N-27	PEM	TX	Orange	North Route Wetland 232	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-3	PEM	TX	Jefferson	North Route Wetland 44	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-3	PEM	TX	Jefferson	North Route Wetland 49	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-3	PEM	TX	Jefferson	North Route Wetland 50	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-5	PEM	TX	Jefferson	North Route Wetland 60	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 58	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 68	0.0	Access Road Construction	0.3	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 72	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 72	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 75	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 76	0.0	Access Road Construction	0.2	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
AR-N-6	PEM	TX	Jefferson	North Route Wetland 56	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 57	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 67	0.0	Access Road Construction	0.2	0.0	0.0
AR-N-6	PEM	TX	Jefferson	North Route Wetland 74	0.0	Access Road Construction	0.4	0.0	0.0
AR-N-7	PEM	TX	Jefferson	North Route Wetland 6	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-8	PUB	TX	Jefferson	North Route Wetland 93	0.0	Access Road Construction	0.1	0.0	0.0
AR-N-8	PUB	TX	Jefferson	North Route Wetland 94	0.0	Access Road Construction	0.0	0.0	0.0
AR-N-9	PSS	TX	Jefferson	North Route Wetland 99	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-1	ESS	TX	Jefferson	Wetland 2	0.0	Access Road Construction	0.1	0.0	0.0
						Subtotal	18.0	0.0	0.0
Southern Pipeline									
0.0	EEM	TX	Jefferson	South Route Wetland 22a	302.8	HDD	0.4	0.4	0.0
0.0	EEM	TX	Jefferson	South Route Wetland 22a	0.0	NA	0.2	0.0	0.0
0.0	ESS	LA	Jefferson	South Route Wetland 24	0.0	NA	0.0	0.0	0.0
0.0	ESS	TX	Jefferson	South Route Wetland 24	197.5	Trench	0.2	0.2	0.0
0.0	ESS	LA	Jefferson	South Route Wetland 24	0.0	NA	0.3	0.0	0.0
0.0	ESS	TX	Jefferson	South Route Wetland 24	56.1	Bore	0.1	0.1	0.0
0.0	EEM	TX	Jefferson	South Route Wetland 5a	174.3	Trench	0.2	0.2	0.0
0.0	EEM	LA	Jefferson	South Route Wetland 5a	0.0	NA	0.1	0.0	0.0
0.1	EEM	LA	Jefferson	South Route Wetland 5a	0.0	NA	0.1	0.0	0.0
0.1	EEM	TX	Jefferson	South Route Wetland 5	0.0	NA	0.0	0.0	0.0
0.1	EEM	TX	Jefferson	South Route Wetland 22a	0.0	NA	0.3	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
0.2	EEM	TX	Jefferson	Wetland 2a	7.7	HDD	0.0	0.0	0.0
0.4	EEM	TX	Jefferson	South Route Wetland 9	1,943.0	HDD	2.2	2.2	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14a	0.0	NA	0.0	0.0	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14a	39.1	HDD	0.0	0.0	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14a	0.0	NA	0.1	0.0	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14	0.0	NA	0.0	0.0	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14	33.1	HDD	0.0	0.0	0.0
2.2	EEM	TX	Jefferson	South Route Wetland 14	0.0	NA	0.0	0.0	0.0
2.2	PEM	TX	Jefferson	South Route Wetland 15	20.6	HDD	0.0	0.0	0.0
2.3	ESS	TX	Jefferson	South Route Wetland 16	729.9	HDD	0.8	0.8	0.0
2.4	EEM	TX	Jefferson	South Route Wetland 17	213.7	HDD	0.2	0.2	0.0
2.5	PEM	TX	Jefferson	South Route Wetland 18	212.1	HDD	0.2	0.2	0.0
2.5	EEM	TX	Jefferson	South Route Wetland 19	206.5	HDD	0.2	0.2	0.0
2.7	EEM	TX	Jefferson	South Route Wetland 19	0.0	NA	0.4	0.0	0.0
2.7	EEM	TX	Jefferson	South Route Wetland 19	0.0	NA	2.8	0.0	0.0
2.7	EEM	TX	Jefferson	South Route Wetland 19	1,715.6	Trench	2.0	2.0	0.0
3.0	EEM	TX	Jefferson	South Route Wetland 19	1,272.6	HDD	1.5	1.5	0.0
3.1	EEM	TX	Jefferson	South Route Wetland 19a	208.1	HDD	0.2	0.2	0.0
3.4	ESS	TX	Jefferson	South Route Wetland 4	2,604.3	HDD	3.0	3.0	0.0
3.6	ESS	TX	Jefferson	South Route Wetland 4	0.0	NA	0.1	0.0	0.0
3.8	EEM	TX	Jefferson	South Route Wetland 22a	0.0	NA	2.4	0.0	0.0
4.0	EEM	TX	Jefferson	South Route Wetland 22a	0.0	NA	3.8	0.0	0.0
4.0	EEM	TX	Jefferson	South Route Wetland 22a	2,574.9	Push	2.9	2.9	0.0
4.4	PEM	TX	Jefferson	South Route Wetland 22	1,058.6	Push	1.2	1.2	0.0
4.4	PEM	TX	Jefferson	South Route Wetland 22	0.0	NA	1.4	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
4.4	PEM	TX	Jefferson	South Route Wetland 22	0.0	NA	0.2	0.0	0.0
4.9	EEM	TX	Jefferson	South Route Wetland 22b	0.0	NA	6.6	0.0	0.0
4.9	EEM	TX	Jefferson	South Route Wetland 22b	4,864.6	Push	5.6	5.6	0.0
4.9	EEM	TX	Jefferson	South Route Wetland 22b	0.0	NA	1.1	0.0	0.0
5.6	PEM	TX	Jefferson	South Route Wetland 23	0.0	NA	3.5	0.0	0.0
5.6	PEM	TX	Jefferson	South Route Wetland 23	2,403.2	Push	2.8	2.8	0.0
5.6	PEM	TX	Jefferson	South Route Wetland 23	0.0	NA	0.6	0.0	0.0
7.5	EEM	TX	Jefferson	South Route Wetland 5a	512.0	HDD	0.5	0.5	0.0
7.5	EEM	LA	Cameron	South Route Wetland 5a	0.0	NA	0.6	0.0	0.0
7.5	EEM	TX	Jefferson	South Route Wetland 5a	43.9	Bore	0.1	0.1	0.0
7.5	ESS	LA	Cameron	South Route Wetland 24	0.0	NA	0.0	0.0	0.0
7.6	EEM	LA	Cameron	South Route Wetland 5a	0.0	NA	0.8	0.0	0.0
Subtotal					21,394.4		49.6	24.4	0.0
Southern Segment – Access Roads									
AR-NGPL-1	EEM	TX	Jefferson	South Route Wetland 22a	0.0	Access Road Construction	0.1	0.0	0.0
AR-NGPL-1	ESS	TX	Jefferson	South Route Wetland 4	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-1	EEM	TX	Jefferson	South Route Wetland 9	0.0	Access Road Construction	0.2	0.0	0.0
AR-S-10	ESS	LA	Cameron	South Route Wetland 24	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-10	ESS	LA	Cameron	South Route Wetland 24	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-10	EEM	LA	Cameron	South Route Wetland 5a	0.0	Access Road Construction	0.3	0.3	0.0
AR-S-10	PSS	LA	Cameron	South Route Wetland 26	0.0	Access Road Construction	0.3	0.3	0.0
AR-S-2	EEM	TX	Jefferson	South Route Wetland 14	0.0	Access Road Construction	0.1	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
AR-S-2	EEM	TX	Jefferson	South Route Wetland 14a	0.0	Access Road Construction	0.3	0.0	0.0
AR-S-2	ESS	TX	Jefferson	South Route Wetland 16	0.0	Access Road Construction	0.2	0.0	0.0
AR-S-2	PEM	TX	Jefferson	South Route Wetland 15	0.0	Access Road Construction	0.1	0.0	0.0
AR-S-3	EEM	TX	Jefferson	South Route Wetland 19	0.0	Access Road Construction	0.5	0.0	0.0
AR-S-3	EEM	TX	Jefferson	South Route Wetland 21a	0.0	Access Road Construction	0.1	0.0	0.0
AR-S-3	PEM	TX	Jefferson	South Route Wetland 21	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-4	EEM	TX	Jefferson	South Route Wetland 22a	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-4	ESS	TX	Jefferson	South Route Wetland 4	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-4	ESS	TX	Jefferson	South Route Wetland 4	0.0	Access Road Construction	0.2	0.0	0.0
AR-S-5	EEM	TX	Jefferson	South Route Wetland 22a	0.0	Access Road Construction	0.1	0.1	0.0
AR-S-6	EEM	TX	Jefferson	South Route Wetland 22b	0.0	Access Road Construction	1.0	0.0	0.0
AR-S-8	ESS	LA	Cameron	South Route Wetland 24	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-8	EEM	LA	Cameron	South Route Wetland 5	0.0	Access Road Construction	0.0	0.0	0.0
AR-S-8	EEM	LA	Cameron	South Route Wetland 5a	0.0	Access Road Construction	0.3	0.0	0.0
AR-S-9	ESS	LA	Cameron	South Route Wetland 24	0.0	Access Road Construction	0.1	0.0	0.0
AR-S-9	EEM	LA	Cameron	South Route Wetland 5a	0.0	Access Road Construction	0.5	0.0	0.0
Subtotal							4.6	0.7	0.0
FGT Lateral									
0.0	PFO	TX	Orange	FGT Route Wetland 1	13.7	Trench	0.0	0.0	0.0

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
0.0	PFO	TX	Orange	FGT Route Wetland 1	0.0	NA	0.0	0.0	0.0
0.6	PFO	TX	Orange	FGT Route Wetland 7	0.0	NA	0.0	0.0	0.0
0.6	PEM	TX	Orange	FGT Route Wetland 6	0.0	NA	0.1	0.0	0.0
0.6	PEM	TX	Orange	FGT Route Wetland 6	135.6	Trench	0.1	0.1	0.0
0.8	PFO	TX	Orange	FGT Route Wetland 9	0.0	NA	1.1	0.0	0.0
0.8	PFO	TX	Orange	FGT Route Wetland 9	14.6	Trench	0.5	0.5	0.5
1.1	PEM	TX	Orange	FGT Route Wetland 12	30.8	HDD	0.0	0.0	0.0
1.1	PFO	TX	Orange	FGT Route Wetland 13	51.3	HDD	0.0	0.0	0.0
1.3	PFO	TX	Orange	FGT Route Wetland 15	0.0	NA	0.4	0.0	0.0
1.3	PFO	TX	Orange	FGT Route Wetland 15	341.1	Trench	0.4	0.4	0.4
1.3	PFO	TX	Orange	FGT Route Wetland 15	0.0	NA	0.1	0.0	0.0
1.3	PUB	TX	Orange	FGT Route Wetland 16	0.0	NA	0.1	0.0	0.0
1.3	PUB	TX	Orange	FGT Route Wetland 16	47.9	Trench	0.0	0.0	0.0
				Subtotal	634.9		2.9	1.1	0.9
FGT Lateral Access Roads									
AR-FGT-1	PFO	TX	Orange	FGT Route Wetland 10	0.0	Access Road Construction	0.2	0.0	0.0
AR-FGT-1	PFO	TX	Orange	FGT Route Wetland 11	0.0	Access Road Construction	0.1	0.0	0.0
AR-FGT-2	PFO	TX	Orange	FGT Route Wetland 14	0.0	Access Road Construction	0.3	0.0	0.0
				Subtotal			0.5	0.0	0.0
GTS Lateral									
0.3	PFO	TX	Jefferson	GTS Lateral Wetland 2	0.0	NA	0.0	0.0	0.0
0.4	PFO	TX	Jefferson	GTS Lateral Wetland 6	0.0	NA	0.0	0.0	0.0
0.5	PFO	TX	Orange	GTS Lateral Wetland 6	530.7	Trench	0.6	0.6	0.6
0.5	PFO	TX	Jefferson	GTS Lateral Wetland 6	0.0	NA	0.7	0.0	0.0
0.5	PFO	TX	Orange	GTS Lateral Wetland 6	80.4	HDD	0.1	0.1	0.1

APPENDIX K.1 (cont'd)

Wetlands Affected by the Texas Connector Project

Milepost or Access Road	Wetland Type ^a	State	County or Parish	Wetland Identification Number	Length Crossed (feet)	Proposed Crossing Method	Construction Impacts	Acres of Wetlands within Permanent ROW	PFO Conversion (Acres) ^b
0.5	PEM	TX	Jefferson	GTS Lateral Wetland 9	0.0	NA	0.0	0.0	0.0
0.5	PEM	TX	Jefferson	GTS Lateral Wetland 9	0.0	NA	0.1	0.0	0.0
0.5	PEM	TX	Orange	GTS Lateral Wetland 9	39.5	HDD	0.1	0.1	0.0
0.6	PSS	TX	Orange	GTS Lateral Wetland 11	98.8	HDD	0.1	0.1	0.0
0.9	PFO	TX	Orange	GTS Lateral Wetland 12	78.8	HDD	0.1	0.1	0.1
20.1	PFO	TX	Orange	GTS Lateral Wetland 2	777.7	Trench	0.9	0.9	0.9
20.1	PFO	TX	Jefferson	GTS Lateral Wetland 2	0.0	NA	0.8	0.0	0.0
				Subtotal	1,605.7		3.3	1.8	1.6
KMPL Lateral									
0.0	ESS	TX	Jefferson	South Route Wetland 24	165.0	Trench	0.1	0.1	0.0
0.0	ESS	LA	Cameron	South Route Wetland 24	15.6	Trench	0.0	0.0	0.0
0.1	EEM	LA	Cameron	South Route Wetland 5a	405.5	Trench	0.5	0.5	0.0
				Subtotal	586.1		0.6	0.6	0.0
NGPL Lateral									
0.0	EEM	TX	Jefferson	South Route Wetland 22a	53.8	Trench	0.1	0.1	0.0
0.0	EES	TX	Jefferson	South Route Wetland 4	61.3	Bore	0.1	0.1	0.0
0.0	EES	TX	Jefferson	South Route Wetland 4	16.3	Trench	0.0	0.0	0.0
3.6	EEM	TX	Jefferson	South Route Wetland 22a	59.1	Bore	0.1	0.1	0.0
3.7	EEM	TX	Jefferson	South Route Wetland 22a	1179.7	Trench	1.4	1.4	0.0
				Subtotal	1370.2		1.6	1.6	0.0
^a	Key: PEM – Palustrine Emergent PSS – Palustrine Scrub Shrub PFO – Palustrine Forested PUB – Palustrine Unconsolidated Bottom EEM – Estuarine Emergent ESS – Estuarine Scrub-Shrub								
^b	PFO Conversion (Acres) - Acres of forested wetland that will be convert to PEM or PSS within the permanent easement.								

**WETLANDS AFFECTED BY THE LOUISIANA
CONNECTOR PROJECT**

APPENDIX K.2

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
0.0	JEF-WL-001	ATWS	PEM	0.0	0.1	0.0	-
18.1	CAM-WL-001	ATWS	EEM	0.0	0.2	0.0	-
18.1	CAM-WL-001	ATWS	EEM	0.0	0.2	0.0	-
18.1	CAM-WL-001	ATWS	EEM	0.0	0.0	0.0	-
18.1	CAM-WL-001	Perm. Easement	EEM	300.0	0.3	0.3	-
18.1	CAM-WL-001	Temp. Easement	EEM	0.0	0.1	0.0	-
18.1	CAM-WL-001	Temp. Easement	EEM	0.0	0.1	0.0	-
18.1	CAM-WL-001	Access Road	EEM	0.0	0.7	0.0	-
18.1	CAM-WL-001	ATWS	EEM	0.0	0.9	0.0	-
18.2	CAM-WL-001	Temp. Easement	EEM	0.0	0.3	0.0	-
19.0	CAM-WL-004	Temp. Easement	EEM	0.0	0.1	0.0	-
19.1	CAM-WL-004	Access Road	EEM	0.0	0.7	0.0	-
19.1	CAM-WL-004	ATWS	EEM	0.0	0.4	0.0	-
19.2	CAM-WL-004	ATWS	EEM	0.0	0.7	0.0	-
19.2	CAM-WL-004	Perm. Easement	EEM	975.9	1.1	1.1	-
19.2	CAM-WL-004	Temp. Easement	EEM	0.0	1.4	0.0	-
19.4	CAM-WL-004	Temp. Easement	EEM	0.0	0.2	0.0	-
19.4	CAM-WL-005	Perm. Easement	EEM	5,166.3	5.9	5.9	-
19.6	CAM-WL-005	ATWS	EEM	0.0	0.1	0.0	-
19.8	CAM-WL-005	Temp. Easement	EEM	0.0	7.6	0.0	-
20.3	CAM-WL-005	Access Road	EEM	0.0	0.0	0.0	-
20.3	CAM-WL-006	Access Road	EEM	0.0	1.5	0.0	-
20.3	CAM-WL-006	ATWS	EEM	0.0	0.3	0.0	-
20.3	CAM-WL-006	Temp. Easement	EEM	0.0	0.0	0.0	-
20.4	CAM-WL-005	Temp. Easement	EEM	0.0	0.0	0.0	-
20.4	CAM-WL-005	Temp. Easement	EEM	0.0	1.1	0.0	-
20.4	CAM-WL-006	Temp. Easement	EEM	0.0	0.0	0.0	-
20.4	CAM-WL-006	ATWS	EEM	0.0	0.2	0.0	-
20.4	CAM-WL-007	Perm. Easement	EEM	1,391.2	1.6	1.6	-
20.4	CAM-WL-007	Temp. Easement	EEM	0.0	2.0	0.0	-
20.4	CAM-WL-006	Temp. Easement	EEM	0.0	0.0	0.0	-
20.4	CAM-WL-006	ATWS	EEM	0.0	0.2	0.0	-
20.5	CAM-WL-006	ATWS	EEM	0.0	0.2	0.0	-
20.6	CAM-WL-007	Temp. Easement	EEM	0.0	0.3	0.0	-
20.7	CAM-WL-008	Perm. Easement	EEM	1,145.2	1.3	1.3	-
20.7	CAM-WL-008	Temp. Easement	EEM	0.0	1.8	0.0	-
20.8	CAM-WL-008	ATWS	EEM	0.0	0.1	0.0	-
20.8	CAM-WL-008	Temp. Easement	EEM	0.0	0.3	0.0	-
20.9	CAM-WL-008	Perm. Easement	EEM	28.5	0.0	0.0	-
21.0	CAM-WL-009	Perm. Easement	EEM	1,210.3	1.4	1.4	-
21.1	CAM-WL-009	Temp. Easement	EEM	0.0	1.8	0.0	-
21.1	CAM-WL-009	Temp. Easement	EEM	0.0	0.3	0.0	-
21.2	CAM-WL-010	Perm. Easement	EEM	561.1	0.7	0.7	-
21.2	CAM-WL-010	Temp. Easement	EEM	0.0	0.9	0.0	-
21.3	CAM-WL-010	Temp. Easement	EEM	0.0	0.1	0.0	-
21.3	CAM-WL-012	Perm. Easement	EEM	1,971.1	2.3	2.3	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
21.3	CAM-WL-012	Temp. Easement	EEM	0.0	0.5	0.0	-
21.4	CAM-WL-012	Temp. Easement	EEM	0.0	2.9	0.0	-
21.5	WR-CAM-02	ATWS	EEM	0.0	0.2	0.0	-
21.6	WR-CAM-02	ATWS	EEM	0.0	0.2	0.0	-
21.7	CAM-WL-013	Perm. Easement	EEM	1,084.3	1.2	1.2	-
21.7	CAM-WL-013	Temp. Easement	EEM	0.0	1.5	0.0	-
21.9	CAM-WL-013	Temp. Easement	EEM	0.0	0.3	0.0	-
21.9	CAM-WL-014	Perm. Easement	EEM	1,290.8	2.7	2.7	-
21.9	CAM-WL-014	Temp. Easement	EEM	0.0	3.5	0.0	-
21.9	CAM-WL-014	ATWS	EEM	0.0	0.1	0.0	-
22.1	CAM-WL-014	Temp. Easement	EEM	0.0	0.2	0.0	-
22.2	CAM-WL-014	ATWS	EEM	0.0	0.1	0.0	-
22.3	CAM-WL-014	ATWS	EEM	0.0	0.1	0.0	-
22.3	CAM-WL-014	ATWS	EEM	0.0	0.1	0.0	-
22.3	CAM-WL-014	ATWS	EEM	0.0	0.1	0.0	-
22.3	CAM-WL-014	Temp. Easement	EEM	0.0	0.3	0.0	-
22.4	CAM-WL-015	Temp. Easement	EEM	0.0	0.0	0.0	-
22.4	CAM-WL-015	Perm. Easement	EEM	5.2	0.0	0.0	-
22.4	CAM-WL-016	Perm. Easement	EEM	1,104.4	1.3	1.3	-
22.6	CAM-WL-016	ATWS	EEM	0.0	0.1	0.0	-
22.6	CAM-WL-016	Temp. Easement	EEM	0.0	1.9	0.0	-
22.6	CAM-WL-016	Temp. Easement	EEM	0.0	0.3	0.0	-
22.7	CAM-WL-017	Perm. Easement	EEM	544.3	0.6	0.6	-
22.7	CAM-WL-017	Temp. Easement	EEM	0.0	0.1	0.0	-
22.8	CAM-WL-017	Temp. Easement	EEM	0.0	0.8	0.0	-
23.0	CAM-WL-018	Perm. Easement	EEM	20.6	0.0	0.0	-
23.0	CAM-WL-018	Temp. Easement	EEM	0.0	0.2	0.0	-
23.2	CAM-WL-019	Perm. Easement	EEM	889.5	1.0	1.0	-
23.4	CAM-WL-019	Temp. Easement	EEM	0.0	1.3	0.0	-
23.4	CAM-WL-019	Temp. Easement	EEM	0.0	0.2	0.0	-
23.5	CAM-WL-020	Perm. Easement	EEM	660.9	0.8	0.8	-
23.5	CAM-WL-020	Temp. Easement	EEM	0.0	1.1	0.0	-
23.5	CAM-WL-020	Temp. Easement	EEM	0.0	0.1	0.0	-
23.5	CAM-WL-020	ATWS	EEM	0.0	0.1	0.0	-
23.6	CAM-WL-020	Temp. Easement	EEM	0.0	0.0	0.0	-
23.8	CAM-WL-021	Perm. Easement	EEM	166.7	0.2	0.2	-
23.8	CAM-WL-021	Temp. Easement	EEM	0.0	0.2	0.0	-
23.8	CAM-WL-021	Temp. Easement	EEM	0.0	0.0	0.0	-
24.0	CAM-WL-022	Perm. Easement	EEM	288.9	0.3	0.3	-
24.0	CAM-WL-022	Temp. Easement	EEM	0.0	0.1	0.0	-
24.1	CAM-WL-022	Temp. Easement	EEM	0.0	0.4	0.0	-
24.1	CAM-WL-022	ATWS	EEM	0.0	0.1	0.0	-
24.1	CAM-WL-022	Perm. Easement	EEM	1,301.9	1.5	1.5	-
24.1	CAM-WL-022	Temp. Easement	EEM	0.0	1.9	0.0	-
24.2	CAM-WL-022	Temp. Easement	EEM	0.0	0.3	0.0	-
24.7	CAM-WL-024	Temp. Easement	EEM	0.0	0.2	0.0	-
24.8	CAM-WL-025	Perm. Easement	EEM	274.4	0.3	0.3	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
24.8	CAM-WL-025	Temp. Easement	EEM	0.0	0.4	0.0	-
24.8	CAM-WL-025	Temp. Easement	EEM	0.0	0.1	0.0	-
24.8	CAM-WL-026	Perm. Easement	PSS	101.5	0.4	0.4	-
24.8	CAM-WL-026	Temp. Easement	PSS	0.0	0.7	0.0	-
24.9	CAM-WL-026	ATWS	PSS	0.0	0.1	0.0	-
24.9	CAM-WL-026	Temp. Easement	PSS	0.0	0.1	0.0	-
24.9	CAM-WL-026	Perm. Easement	PSS	101.5	0.1	0.1	-
24.9	CAM-WL-026	Temp. Easement	PSS	0.0	0.1	0.0	-
24.9	CAM-WL-026	Temp. Easement	PSS	0.0	0.0	0.0	-
24.9	CAM-WL-027	Perm. Easement	EEM	101.5	1.8	1.8	-
24.9	CAM-WL-027	Temp. Easement	EEM	0.0	2.3	0.0	-
24.9	CAM-WL-027	Temp. Easement	EEM	0.0	0.4	0.0	-
25.2	CAM-WL-028	Perm. Easement	EEM	254.1	0.3	0.3	-
25.2	CAM-WL-028	Temp. Easement	EEM	0.0	0.4	0.0	-
25.2	CAM-WL-028	Temp. Easement	EEM	0.0	0.1	0.0	-
25.5	CAM-WL-029	Perm. Easement	PSS	807.1	0.9	0.9	-
25.6	CAM-WL-029	Temp. Easement	PSS	0.0	0.2	0.0	-
25.6	CAM-WL-029	Temp. Easement	PSS	0.0	1.2	0.0	-
25.7	CAM-WL-040	Access Road	PEM	0.0	0.2	0.0	-
25.7	CAM-WL-040	Access Road	PEM	0.0	0.5	0.0	-
25.8	CAM-WL-030	Temp. Easement	EEM	0.0	0.3	0.0	-
25.8	CAM-WL-030	Perm. Easement	EEM	1,062.9	1.2	1.2	-
25.8	CAM-WL-040	Access Road	PEM	0.0	1.5	0.0	-
25.9	CAM-WL-030	Temp. Easement	EEM	0.0	1.5	0.0	-
26.1	CAL-WL-230	Access Road	PEM	0.0	0.9	0.0	-
26.1	CAM-WL-030	Temp. Easement	EEM	0.0	0.1	0.0	-
26.1	CAM-WL-031	Perm. Easement	EEM	31.9	0.0	0.0	-
26.1	CAM-WL-030	Perm. Easement	EEM	31.9	0.0	0.0	-
26.1	CAM-WL-031	Temp. Easement	EEM	0.0	0.1	0.0	-
26.1	CAM-WL-031	ATWS	EEM	0.0	0.1	0.0	-
26.1	CAM-WL-031	Temp. Easement	EEM	0.0	0.0	0.0	-
26.1	CAM-WL-032	Perm. Easement	EEM	65.6	0.1	0.1	-
26.1	CAM-WL-032	Temp. Easement	EEM	0.0	0.1	0.0	-
26.1	CAM-WL-032	ATWS	EEM	0.0	0.0	0.0	-
26.1	CAM-WL-033	Perm. Easement	PSS	553.1	0.4	0.4	-
26.1	CAM-WL-032	Temp. Easement	EEM	0.0	0.0	0.0	-
26.1	CAM-WL-033	ATWS	PSS	0.0	0.3	0.0	-
26.2	CAM-WL-033	Temp. Easement	PSS	0.0	0.1	0.0	-
26.2	CAM-WL-033	Temp. Easement	PSS	0.0	0.6	0.0	-
26.2	CAM-WL-034	Perm. Easement	EEM	1,181.2	0.6	0.6	-
26.2	CAM-WL-034	Temp. Easement	EEM	0.0	0.1	0.0	-
26.2	CAM-WL-034	ATWS	EEM	0.0	0.1	0.0	-
26.3	CAM-WL-034	Temp. Easement	EEM	0.0	0.8	0.0	-
26.3	CAM-WL-035	Temp. Easement	EEM	0.0	1.9	0.0	-
26.3	CAM-WL-035	Perm. Easement	EEM	1,181.2	1.4	1.4	-
26.3	CAM-WL-035	Temp. Easement	EEM	0.0	0.3	0.0	-
26.5	CAM-WL-036	Temp. Easement	EEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
26.5	CAM-WL-036	Perm. Easement	EEM	1,181.2	0.1	0.1	-
26.5	CAM-WL-036	Access Road	EEM	0.0	0.0	0.0	-
26.5	CAM-WL-036	Access Road	EEM	0.0	0.3	0.3	-
26.5	CAM-WL-035	ATWS	EEM	0.0	0.7	0.0	-
26.5	CAM-WL-036	Temp. Easement	EEM	0.0	0.0	0.0	-
26.5	CAM-WL-036	Temp. Easement	EEM	0.0	0.0	0.0	-
26.6	CAM-WL-036	Access Road	EEM	0.0	0.7	0.7	-
26.7	CAM-WL-036	ATWS	EEM	0.0	0.1	0.0	-
26.8	CAL-WL-231	Access Road	EEM	0.0	0.2	0.2	-
27.2	CAL-WL-001	Perm. Easement	EEM	1,508.0	1.7	1.7	-
27.2	CAL-WL-001	ATWS	EEM	0.0	0.5	0.0	-
27.2	CAL-WL-001	Temp. Easement	EEM	0.0	0.2	0.0	-
27.2	CAL-WL-001	Temp. Easement	EEM	0.0	2.1	0.0	-
27.2	CAL-WL-001	ATWS	EEM	0.0	0.5	0.0	-
27.4	CAL-WL-002	Perm. Easement	EEM	0.0	0.0	0.0	-
27.4	CAL-WL-002	Temp. Easement	EEM	0.0	0.0	0.0	-
27.4	CAL-WL-001	Temp. Easement	EEM	0.0	0.1	0.0	-
27.5	CAL-WL-001	ATWS	EEM	0.0	0.4	0.0	-
27.5	CAL-WL-001	Access Road	EEM	0.0	0.3	0.0	-
27.5	CAL-WL-001	ATWS	EEM	0.0	0.5	0.0	-
27.5	CAL-WL-001	ATWS	EEM	0.0	0.0	0.0	-
27.5	CAL-WL-001	Temp. Easement	EEM	0.0	0.1	0.0	-
27.5	CAL-WL-232	Access Road	PEM	0.0	0.4	0.4	-
28.3	CAL-WL-006	ATWS	EEM	0.0	0.1	0.0	-
28.3	CAL-WL-006	Access Road	PSS	0.0	0.1	0.0	-
28.3	CAL-WL-006	Access Road	EEM	0.0	0.0	0.0	-
28.3	CAL-WL-006	ATWS	PSS	0.0	0.1	0.0	-
28.3	CAL-WL-006	ATWS	EEM	0.0	0.0	0.0	-
28.3	CAL-WL-006	ATWS	PSS	0.0	0.1	0.0	-
28.3	CAL-WL-006	ATWS	EEM	0.0	0.2	0.0	-
28.3	CAL-WL-006	Perm. Easement	EEM	1,179.6	1.3	1.3	-
28.3	CAL-WL-006	Temp. Easement	EEM	0.0	0.0	0.0	-
28.4	CAL-WL-006	ATWS	EEM	0.0	0.7	0.0	-
28.4	CAL-WL-006	Temp. Easement	EEM	0.0	1.6	0.0	-
28.4	CAL-WL-006	Access Road	PSS	0.0	0.2	0.0	-
28.4	CAL-WL-006	Access Road	EEM	0.0	0.2	0.0	-
28.4	CAL-WL-006	Access Road	EEM	0.0	0.1	0.0	-
28.4	CAL-WL-006	ATWS	EEM	0.0	0.1	0.0	-
28.5	CAL-WL-007	ATWS	EEM	0.0	0.4	0.0	-
28.6	CAL-WL-006	Temp. Easement	EEM	0.0	0.2	0.0	-
28.6	CAL-WL-008	Temp. Easement	EEM	0.0	0.0	0.0	-
28.6	CAL-WL-008	Temp. Easement	EEM	0.0	0.1	0.0	-
28.6	CAL-WL-234	ATWS	EEM	0.0	0.3	0.0	-
28.6	CAL-WL-009	Perm. Easement	EEM	100.1	0.1	0.1	-
28.6	CAL-WL-009	Temp. Easement	EEM	0.0	0.0	0.0	-
28.6	CAL-WL-009	Temp. Easement	EEM	0.0	0.1	0.0	-
28.7	CAL-WL-010	Perm. Easement	EEM	94.9	0.1	0.1	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
28.7	CAL-WL-235	ATWS	EEM	0.0	1.0	0.0	-
28.7	CAL-WL-010	Temp. Easement	EEM	0.0	0.0	0.0	-
28.7	CAL-WL-010	Temp. Easement	EEM	0.0	0.3	0.0	-
28.7	CAL-WL-010	Perm. Easement	EEM	199.6	0.0	0.0	-
28.7	CAL-WL-010	Temp. Easement	EEM	0.0	0.0	0.0	-
28.7	CAL-WL-011	Perm. Easement	EEM	131.3	0.2	0.2	-
28.7	CAL-WL-011	Temp. Easement	EEM	0.0	0.0	0.0	-
28.7	CAL-WL-011	ATWS	EEM	0.0	0.1	0.0	-
28.8	CAL-WL-012	Perm. Easement	EEM	131.3	0.2	0.2	-
28.8	CAL-WL-012	Temp. Easement	EEM	0.0	0.0	0.0	-
28.8	CAL-WL-011	Perm. Easement	EEM	4,757.4	4.9	4.9	-
28.8	CAL-WL-012	Temp. Easement	EEM	0.0	0.0	0.0	-
28.8	CAL-WL-011	Temp. Easement	EEM	0.0	6.8	0.0	-
28.8	CAL-WL-236	ATWS	EEM	0.0	3.1	0.0	-
29.4	CAL-WL-011	ATWS	EEM	0.0	0.1	0.0	-
29.6	CAL-WL-011	Temp. Easement	EEM	0.0	1.0	0.0	-
29.6	CAL-WL-013	Perm. Easement	EEM	4,757.4	5.5	5.5	-
29.6	CAL-WL-013	Temp. Easement	EEM	0.0	1.1	0.0	-
29.8	CAL-WL-013	Temp. Easement	EEM	0.0	7.2	0.0	-
30.0	CAL-WL-013	ATWS	EEM	0.0	0.1	0.0	-
30.5	CAL-WL-015	Perm. Easement	EEM	4,757.4	0.1	0.1	-
30.5	CAL-WL-015	Temp. Easement	EEM	0.0	0.0	0.0	-
30.5	CAL-WL-015	Temp. Easement	EEM	0.0	0.1	0.0	-
30.5	CAL-WL-015	Perm. Easement	EEM	329.1	0.4	0.4	-
30.5	CAL-WL-015	Temp. Easement	EEM	0.0	0.6	0.0	-
30.6	CAL-WL-015	Temp. Easement	EEM	0.0	0.1	0.0	-
30.6	CAL-WL-015	Temp. Easement	EEM	0.0	0.1	0.0	-
30.6	CAL-WL-015	ATWS	EEM	0.0	0.0	0.0	-
30.6	CAL-WL-015	Temp. Easement	EEM	0.0	0.4	0.0	-
30.6	CAL-WL-015	ATWS	EEM	0.0	0.1	0.0	-
30.6	CAL-WL-015	Perm. Easement	EEM	297.9	0.4	0.4	-
30.6	CAL-WL-015	ATWS	EEM	0.0	0.0	0.0	-
30.6	CAL-WL-015	ATWS	EEM	0.0	0.2	0.0	-
30.7	CAL-WL-015	Access Road	EEM	0.0	0.1	0.0	-
30.7	CAL-WL-015	Access Road	EEM	0.0	0.1	0.0	-
30.7	CAL-WL-16	Access Road	EEM	0.0	0.2	0.0	-
30.7	CAL-WL-016	Access Road	PFO	0.0	0.1	0.0	-
30.7	CAL-WL-16	ATWS	EEM	0.0	0.3	0.0	-
30.8	CAL-WL-016	ATWS	PFO	0.0	0.3	0.0	-
30.8	CAL-WL-017	Access Road	EEM	0.0	0.2	0.0	-
30.9	CAL-WL-017	ATWS	EEM	0.0	1.3	0.0	-
30.9	CAL-WL-017	Perm. Easement	EEM	3,740.2	4.2	4.2	-
30.9	CAL-WL-017	Temp. Easement	EEM	0.0	0.5	0.0	-
31.2	CAL-WL-017	Temp. Easement	EEM	0.0	5.6	0.0	-
31.3	CAL-WL-018	Perm. Easement	PEM	0.0	0.1	0.1	-
31.3	CAL-WL-018	Temp. Easement	PEM	0.0	0.1	0.0	-
31.5	CAL-WL-017	ATWS	EEM	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
31.5	CAL-WL-017	Temp. Easement	EEM	0.0	0.3	0.0	-
31.6	CAL-WL-019	Temp. Easement	PEM	0.0	0.2	0.0	-
31.6	CAL-WL-019	Perm. Easement	PEM	561.4	0.6	0.6	-
31.6	CAL-WL-019	Temp. Easement	PEM	0.0	0.8	0.0	-
31.7	CAL-WL-020	Perm. Easement	PFO	561.4	0.6	0.6	0.6
31.7	CAL-WL-020	Temp. Easement	PFO	0.0	0.8	0.0	-
31.8	CAL-WL-020	Temp. Easement	PFO	0.0	0.1	0.0	-
31.8	CAL-WL-021	Perm. Easement	PFO	561.4	0.2	0.2	0.2
31.8	CAL-WL-021	Temp. Easement	PFO	0.0	0.0	0.0	-
31.8	CAL-WL-022	Perm. Easement	PEM	2,235.3	8.6	8.6	-
31.8	CAL-WL-021	Temp. Easement	PFO	0.0	0.3	0.0	-
31.8	CAL-WL-022	Temp. Easement	PEM	0.0	0.9	0.0	-
31.8	CAL-WL-022	Temp. Easement	PEM	0.0	11.1	0.0	-
32.3	CAL-WL-022	ATWS	PEM	0.0	0.1	0.0	-
32.6	CAL-WL-023	Perm. Easement	PEM	0.0	0.0	0.0	-
32.6	CAL-WL-023	Temp. Easement	PEM	0.0	0.0	0.0	-
32.6	CAL-WL-022	Temp. Easement	PEM	0.0	0.8	0.0	-
32.9	CAL-WL-022	Access Road	PEM	0.0	0.1	0.1	-
32.9	CAL-WL-024	Access Road	PEM	0.0	0.1	0.1	-
33.0	CAL-WL-022	ATWS	PEM	0.0	0.1	0.0	-
33.2	CAL-WL-022	Perm. Easement	PEM	2,235.3	2.6	2.6	-
33.2	CAL-WL-022	Temp. Easement	PEM	0.0	0.5	0.0	-
33.3	CAL-WL-022	Temp. Easement	PEM	0.0	3.4	0.0	-
33.7	CAL-WL-022	Perm. Easement	PEM	2,235.3	0.1	0.1	-
33.7	CAL-WL-022	Temp. Easement	PEM	0.0	0.1	0.0	-
33.7	CAL-WL-022	Temp. Easement	PEM	0.0	0.0	0.0	-
33.7	CAL-WL-027	Perm. Easement	PEM	444.6	1.2	1.2	-
33.7	CAL-WL-027	Access Road	PEM	0.0	0.2	0.2	-
33.7	CAL-WL-028	Access Road	PEM	0.0	0.1	0.1	-
33.7	CAL-WL-027	Temp. Easement	PEM	0.0	1.5	0.0	-
33.8	CAL-WL-027	ATWS	PEM	0.0	0.6	0.0	-
33.9	CAL-WL-027	Temp. Easement	PEM	0.0	0.2	0.0	-
33.9	CAL-WL-028	Perm. Easement	PFO	1,752.3	0.5	0.5	0.5
33.9	CAL-WL-028	Temp. Easement	PFO	0.0	0.1	0.0	-
33.9	CAL-WL-028	Temp. Easement	PFO	0.0	0.6	0.0	-
34.0	CAL-WL-029	Perm. Easement	PFO	1,752.3	2.0	2.0	2.0
34.0	CAL-WL-029	Temp. Easement	PFO	0.0	0.4	0.0	-
34.0	CAL-WL-032	Access Road	PEM	0.0	0.0	0.0	-
34.1	CAL-WL-029	Temp. Easement	PFO	0.0	2.7	0.0	-
34.1	CAL-WL-033	Access Road	PEM	0.0	0.0	0.0	-
34.4	CAL-WL-030	Temp. Easement	PEM	0.0	0.2	0.0	-
34.4	CAL-WL-030	Perm. Easement	PEM	869.4	1.0	1.0	-
34.5	CAL-WL-030	Temp. Easement	PEM	0.0	1.3	0.0	-
34.8	CAL-WL-240	ATWS	PFO	0.0	0.2	0.0	-
34.8	CAL-WL-240	ATWS	PFO	0.0	0.2	0.0	-
34.8	CAL-WL-031	Perm. Easement	PEM	1,030.0	1.2	1.2	-
34.9	CAL-WL-031	Temp. Easement	PEM	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
35.0	CAL-WL-034	Access Road	PEM	0.0	0.0	0.0	-
35.0	CAL-WL-031	Temp. Easement	PEM	0.0	2.2	0.0	-
35.0	CAL-WL-031	ATWS	PEM	0.0	0.2	0.0	-
35.0	CAL-WL-031	Perm. Easement	PEM	0.0	0.0	0.0	-
35.1	CAL-WL-035	Perm. Easement	PEM	30.5	0.0	0.0	-
35.1	CAL-WL-036	Perm. Easement	PEM	218.3	0.3	0.3	-
35.1	CAL-WL-036	Temp. Easement	PEM	0.0	0.1	0.0	-
35.1	CAL-WL-036	ATWS	PEM	0.0	0.1	0.0	-
35.1	CAL-WL-036	ATWS	PEM	0.0	0.0	0.0	-
35.1	CAL-WL-036	Temp. Easement	PEM	0.0	0.6	0.0	-
35.1	CAL-WL-036	ATWS	PEM	0.0	0.0	0.0	-
35.1	CAL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
35.1	CAL-WL-036	Perm. Easement	PEM	73.3	0.1	0.1	-
35.2	CAL-WL-036	Perm. Easement	PEM	360.4	1.0	1.0	-
35.2	CAL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
35.2	CAL-WL-038	Perm. Easement	PEM	0.0	0.0	0.0	-
35.2	CAL-WL-038	Temp. Easement	PEM	0.0	0.0	0.0	-
35.2	CAL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
35.2	CAL-WL-036	Temp. Easement	PEM	0.0	0.4	0.0	-
35.2	CAL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
35.3	CAL-WL-036	Temp. Easement	PEM	0.0	0.3	0.0	-
35.3	CAL-WL-036	Temp. Easement	PEM	0.0	0.4	0.0	-
35.4	CAL-WL-036	Temp. Easement	PEM	0.0	0.1	0.0	-
35.4	CAL-WL-036	Perm. Easement	PEM	982.9	1.1	1.1	-
35.4	CAL-WL-036	Temp. Easement	PEM	0.0	0.2	0.0	-
35.5	CAL-WL-036	Temp. Easement	PEM	0.0	0.8	0.0	-
35.6	CAL-WL-036	Temp. Easement	PEM	0.0	0.7	0.0	-
35.6	CAL-WL-036	Perm. Easement	PEM	149.4	0.2	0.2	-
35.6	CAL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
35.6	CAL-WL-040	Temp. Easement	PEM	0.0	0.1	0.0	-
35.6	CAL-WL-040	Perm. Easement	PEM	280.5	0.3	0.3	-
35.6	CAL-WL-040	Temp. Easement	PEM	0.0	0.3	0.0	-
35.7	CAL-WL-040	Perm. Easement	PEM	249.0	0.3	0.3	-
35.8	CAL-WL-040	Temp. Easement	PEM	0.0	0.2	0.0	-
35.8	CAL-WL-040	Temp. Easement	PEM	0.0	0.1	0.0	-
35.8	CAL-WL-237	Access Road	PEM	0.0	0.0	0.0	-
35.8	CAL-WL-041	ATWS	PEM	0.0	0.0	0.0	-
35.8	CAL-WL-042	ATWS	PEM	0.0	0.0	0.0	-
35.8	CAL-WL-041	Perm. Easement	PEM	10.9	0.0	0.0	-
35.8	CAL-WL-041	Temp. Easement	PEM	0.0	0.0	0.0	-
35.8	CAL-WL-042	Perm. Easement	PEM	18.1	0.0	0.0	-
35.8	CAL-WL-042	Temp. Easement	PEM	0.0	0.0	0.0	-
35.8	CAL-WL-042	Temp. Easement	PEM	0.0	0.0	0.0	-
35.9	CAL-WL-043	Perm. Easement	PEM	47.2	0.1	0.1	-
35.9	CAL-WL-043	Temp. Easement	PEM	0.0	0.0	0.0	-
35.9	CAL-WL-043	Temp. Easement	PEM	0.0	0.3	0.0	-
35.9	CAL-WL-043	Perm. Easement	PEM	1,603.2	0.1	0.1	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
35.9	CAL-WL-043	Temp. Easement	PEM	0.0	0.0	0.0	-
35.9	CAL-WL-044	Perm. Easement	PSS	527.2	1.8	1.8	-
36.2	CAL-WL-044	Temp. Easement	PSS	0.0	0.4	0.0	-
36.2	CAL-WL-044	Temp. Easement	PSS	0.0	2.5	0.0	-
36.2	CAL-WL-045	Temp. Easement	PEM	0.0	0.1	0.0	-
36.2	CAL-WL-045	Perm. Easement	PEM	293.5	0.6	0.6	-
36.3	CAL-WL-045	Temp. Easement	PEM	0.0	0.7	0.0	-
36.3	CAL-WL-046	Perm. Easement	PEM	293.5	0.3	0.3	-
36.3	CAL-WL-046	Temp. Easement	PEM	0.0	0.4	0.0	-
36.3	CAL-WL-046	ATWS	PEM	0.0	0.6	0.0	-
36.3	CAL-WL-046	Temp. Easement	PEM	0.0	0.1	0.0	-
36.4	CAL-WL-046	ATWS	PEM	0.0	0.0	0.0	-
36.4	CAL-WL-046	Perm. Easement	PEM	293.5	0.1	0.1	-
36.4	CAL-WL-046	Temp. Easement	PEM	0.0	0.0	0.0	-
36.4	CAL-WL-046	Temp. Easement	PEM	0.0	0.1	0.0	-
36.4	CAL-WL-047	Perm. Easement	PEM	473.6	0.5	0.5	-
36.4	CAL-WL-047	Temp. Easement	PEM	0.0	0.8	0.0	-
36.4	CAL-WL-047	ATWS	PEM	0.0	0.7	0.0	-
36.5	CAL-WL-047	ATWS	PEM	0.0	0.2	0.0	-
36.5	CAL-WL-239	Access Road	PEM	0.0	0.0	0.0	-
36.5	CAL-WL-239	Access Road	PEM	0.0	0.0	0.0	-
36.5	CAL-WL-047	Temp. Easement	PEM	0.0	0.1	0.0	-
36.5	CAL-WL-239	Access Road	PEM	0.0	0.0	0.0	-
36.5	CAL-WL-048	Perm. Easement	PEM	116.5	1.3	1.3	-
36.5	CAL-WL-048	Temp. Easement	PEM	0.0	0.3	0.0	-
36.5	CAL-WL-239	Access Road	PEM	0.0	0.0	0.0	-
36.5	CAL-WL-048	ATWS	PEM	0.0	0.2	0.0	-
36.5	CAL-WL-238	Access Road	PEM	0.0	0.0	0.0	-
36.7	CAL-WL-048	ATWS	PEM	0.0	0.3	0.0	-
36.7	CAL-WL-048	ATWS	PEM	0.0	0.0	0.0	-
36.7	CAL-WL-048	ATWS	PFO	0.0	0.1	0.0	-
36.7	CAL-WL-048	Temp. Easement	PEM	0.0	1.6	0.0	-
36.7	CAL-WL-048	ATWS	PEM	0.0	0.1	0.0	-
36.7	CAL-WL-048	Perm. Easement	PFO	116.5	0.1	0.1	0.1
36.7	CAL-WL-048	ATWS	PFO	0.0	0.0	0.0	-
36.7	CAL-WL-048	Temp. Easement	PFO	0.0	0.2	0.0	-
36.7	CAL-WL-048	Temp. Easement	PFO	0.0	0.0	0.0	-
36.8	CAL-WL-049	Perm. Easement	PEM	3,623.0	4.2	4.2	-
36.8	CAL-WL-049	ATWS	PEM	0.0	0.5	0.0	-
36.9	CAL-WL-049	ATWS	PEM	0.0	0.3	0.0	-
36.9	CAL-WL-049	Temp. Easement	PEM	0.0	0.8	0.0	-
37.1	CAL-WL-049	Temp. Easement	PEM	0.0	5.2	0.0	-
37.4	CAL-WL-049	ATWS	PEM	0.0	0.1	0.0	-
37.5	CAL-WL-050	Temp. Easement	PEM	0.0	0.4	0.0	-
37.5	CAL-WL-050	ATWS	PEM	0.0	0.2	0.0	-
37.5	CAL-WL-050	Perm. Easement	PEM	117.4	0.1	0.1	-
37.5	CAL-WL-050	Temp. Easement	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
37.5	CAL-WL-051	Perm. Easement	PEM	790.7	0.9	0.9	-
37.5	CAL-WL-051	Temp. Easement	PEM	0.0	1.2	0.0	-
37.5	CAL-WL-051	ATWS	PEM	0.0	0.2	0.0	-
37.6	CAL-WL-051	ATWS	PEM	0.0	0.2	0.0	-
37.6	CAL-WL-051	Temp. Easement	PEM	0.0	0.2	0.0	-
37.6	CAL-WL-052	Perm. Easement	PEM	5,435.4	6.2	6.2	-
37.7	CAL-WL-052	ATWS	PEM	0.0	0.2	0.0	-
38.0	CAL-WL-052	Temp. Easement	PEM	0.0	0.7	0.0	-
38.0	CAL-WL-052	Temp. Easement	PEM	0.0	6.6	0.0	-
38.5	CAL-WL-052	ATWS	PEM	0.0	0.2	0.0	-
38.5	CAL-WL-052	Temp. Easement	PEM	0.0	0.2	0.0	-
38.5	CAL-WL-052	Temp. Easement	PEM	0.0	1.4	0.0	-
38.5	CAL-WL-052	ATWS	PEM	0.0	0.2	0.0	-
38.7	CAL-WL-052	ATWS	PEM	0.0	1.1	0.0	-
38.9	CAL-WL-057	Access Road	PEM	0.0	0.4	0.4	-
38.9	CAL-WL-057	Access Road	PEM	0.0	0.1	0.1	-
38.9	CAL-WL-057	Temp. Easement	PEM	0.0	0.1	0.0	-
39.1	CAL-WL-057	Temp. Easement	PEM	0.0	0.4	0.0	-
39.1	CAL-WL-057	Temp. Easement	PEM	0.0	0.0	0.0	-
39.1	CAL-WL-059	Perm. Easement	PSS	1,908.7	2.2	2.2	-
39.2	CAL-WL-057	ATWS	PEM	0.0	0.7	0.0	-
39.2	CAL-WL-059	ATWS	PSS	0.0	0.0	0.0	-
39.2	CAL-WL-059	Temp. Easement	PEM	0.0	0.0	0.0	-
39.3	CAL-WL-059	Temp. Easement	PEM	0.0	0.0	0.0	-
39.4	CAL-WL-059	Temp. Easement	PSS	0.0	2.8	0.0	-
39.5	CAL-WL-059	Temp. Easement	PSS	0.0	0.5	0.0	-
39.5	CAL-WL-059	ATWS	PEM	0.0	0.7	0.0	-
39.5	CAL-WL-059	Perm. Easement	PEM	1,908.7	1.2	1.2	-
39.6	CAL-WL-059	Temp. Easement	PEM	0.0	1.0	0.0	-
39.7	CAL-WL-059	Perm. Easement	PEM	1,65.6	0.5	0.5	-
39.7	CAL-WL-059	Temp. Easement	PEM	0.0	0.8	0.0	-
39.8	CAL-WL-059	Temp. Easement	PEM	0.0	0.8	0.0	-
39.8	CAL-WL-059	ATWS	PEM	0.0	0.7	0.0	-
39.8	CAL-WL-059	ATWS	PEM	0.0	0.0	0.0	-
40.2	CAL-WL-061	ATWS	PFO	0.0	0.3	0.0	-
40.2	CAL-WL-061	Temp. Easement	PFO	0.0	0.1	0.0	-
40.5	CAL-WL-065	Access Road	PEM	0.0	0.1	0.1	-
40.5	CAL-WL-065	Access Road	PEM	0.0	0.0	0.0	-
40.5	CAL-WL-065	ATWS	PEM	0.0	0.2	0.0	-
40.5	CAL-WL-065	Perm. Easement	PEM	556.0	0.6	0.6	-
40.5	CAL-WL-065	Temp. Easement	PEM	0.0	0.1	0.0	-
40.5	CAL-WL-065	Temp. Easement	PEM	0.0	0.1	0.0	-
40.5	CAL-WL-065	Access Road	PEM	0.0	0.2	0.2	-
40.5	CAL-WL-065	ATWS	PEM	0.0	0.7	0.0	-
40.6	CAL-WL-065	Temp. Easement	PEM	0.0	0.7	0.0	-
40.6	CAL-WL-065	ATWS	PEM	0.0	0.1	0.0	-
40.7	CAL-WL-066	ATWS	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
40.7	CAL-WL-066	Perm. Easement	PEM	17.6	0.0	0.0	-
40.7	CAL-WL-066	Perm. Easement	PEM	32.3	0.1	0.1	-
40.7	CAL-WL-066	Temp. Easement	PEM	0.0	0.0	0.0	-
40.7	CAL-WL-066	Temp. Easement	PEM	0.0	0.4	0.0	-
40.8	CAL-WL-066	ATWS	PEM	0.0	0.0	0.0	-
40.8	CAL-WL-066	Perm. Easement	PEM	35.8	0.1	0.1	-
40.8	CAL-WL-066	Temp. Easement	PEM	0.0	0.0	0.0	-
40.8	CAL-WL-066	Temp. Easement	PEM	0.0	0.2	0.0	-
40.8	CAL-WL-066	ATWS	PEM	0.0	0.0	0.0	-
40.8	CAL-WL-067	Temp. Easement	PEM	0.0	0.3	0.0	-
40.8	CAL-WL-067	Perm. Easement	PEM	376.4	0.4	0.4	-
40.9	CAL-WL-067	ATWS	PEM	0.0	0.3	0.0	-
40.9	CAL-WL-067	Temp. Easement	PEM	0.0	0.3	0.0	-
41.0	CAL-WL-068	Perm. Easement	PEM	366.7	0.4	0.4	-
41.1	CAL-WL-068	ATWS	PEM	0.0	0.2	0.0	-
41.1	CAL-WL-068	Temp. Easement	PEM	0.0	0.1	0.0	-
41.1	CAL-WL-068	Temp. Easement	PEM	0.0	0.4	0.0	-
41.3	CAL-WL-069	Temp. Easement	PFO	0.0	0.1	0.0	-
41.8	CAL-WL-072	Perm. Easement	PEM	409.6	0.5	0.5	-
41.8	CAL-WL-072	Perm. Easement	PFO	0.0	0.1	0.1	0.1
41.8	CAL-WL-072	Temp. Easement	PFO	0.0	0.3	0.0	0.0
41.8	CAL-WL-072	Temp. Easement	PEM	0.0	0.1	0.0	-
41.8	CAL-WL-072	Perm. Easement	PFO	409.6	0.3	0.3	0.3
41.9	CAL-WL-072	Temp. Easement	PEM	0.0	0.3	0.0	-
41.9	CAL-WL-072	Perm. Easement	PFO	497.0	0.4	0.4	0.4
42.0	CAL-WL-072	ATWS	PFO	0.0	0.7	0.0	-
42.0	CAL-WL-072	Perm. Easement	PEM	0.0	0.2	0.2	-
42.0	CAL-WL-072	Temp. Easement	PFO	0.0	1.6	0.0	-
42.5	CAL-WL-075	Perm. Easement	PEM	577.4	0.7	0.7	-
42.5	CAL-WL-075	Temp. Easement	PEM	0.0	0.1	0.0	-
42.5	CAL-WL-075	ATWS	PEM	0.0	0.3	0.0	-
42.6	CAL-WL-075	Temp. Easement	PEM	0.0	0.9	0.0	-
42.6	CAL-WL-075	ATWS	PEM	0.0	0.4	0.0	-
42.6	CAL-WL-075	ATWS	PEM	0.0	0.2	0.0	-
42.6	CAL-WL-076	Perm. Easement	PEM	1,288.2	1.5	1.5	-
42.6	CAL-WL-076	Temp. Easement	PEM	0.0	0.3	0.0	-
42.7	CAL-WL-076	ATWS	PEM	0.0	0.3	0.0	-
42.7	CAL-WL-076	Temp. Easement	PEM	0.0	1.8	0.0	-
42.9	CAL-WL-077	Perm. Easement	PSS	285.2	0.6	0.6	-
43.0	CAL-WL-077	ATWS	PSS	0.0	0.1	0.0	-
43.0	CAL-WL-077	Temp. Easement	PSS	0.0	0.1	0.0	-
43.0	CAL-WL-077	Temp. Easement	PSS	0.0	0.8	0.0	-
43.0	CAL-WL-077	Perm. Easement	PSS	285.2	0.3	0.3	-
43.0	CAL-WL-077	Temp. Easement	PSS	0.0	0.1	0.0	-
43.0	CAL-WL-077	Temp. Easement	PSS	0.0	0.4	0.0	-
43.1	CAL-WL-078	Perm. Easement	PSS	49.9	0.1	0.1	-
43.1	CAL-WL-078	Temp. Easement	PSS	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
43.1	CAL-WL-078	Temp. Easement	PSS	0.0	0.2	0.0	-
43.1	CAL-WL-078	ATWS	PSS	0.0	0.0	0.0	-
43.1	CAL-WL-078	ATWS	PSS	0.0	0.0	0.0	-
43.1	CAL-WL-078	ATWS	PSS	0.0	0.2	0.0	-
43.1	CAL-WL-078	Perm. Easement	PSS	57.2	0.0	0.0	-
43.1	CAL-WL-078	Temp. Easement	PSS	0.0	0.0	0.0	-
43.1	CAL-WL-079	ATWS	PSS	0.0	0.0	0.0	-
43.1	CAL-WL-079	Temp. Easement	PSS	0.0	0.1	0.0	-
43.2	CAL-WL-079	Perm. Easement	PSS	34.4	0.1	0.1	-
43.2	CAL-WL-079	Temp. Easement	PSS	0.0	0.0	0.0	-
43.2	CAL-WL-080	Perm. Easement	PFO	127.0	0.2	0.2	0.2
43.2	CAL-WL-080	Temp. Easement	PFO	0.0	0.0	0.0	-
43.2	CAL-WL-080	Access Road	PFO	0.0	0.0	0.0	-
43.2	CAL-WL-080	Access Road	PEM	0.0	0.1	0.1	-
43.2	CAL-WL-080	ATWS	PFO	0.0	0.5	0.0	-
43.2	CAL-WL-080	Temp. Easement	PFO	0.0	0.3	0.0	-
43.2	CAL-WL-080	Access Road	PEM	0.0	0.1	0.1	-
43.2	CAL-WL-080	ATWS	PEM	0.0	0.0	0.0	-
43.2	CAL-WL-080	Perm. Easement	PEM	127.0	0.5	0.5	-
43.2	CAL-WL-080	Temp. Easement	PEM	0.0	0.1	0.0	-
43.2	CAL-WL-080	Access Road	PEM	0.0	0.2	0.2	-
43.2	CAL-WL-080	Temp. Easement	PEM	0.0	0.6	0.0	-
43.3	CAL-WL-080	ATWS	PEM	0.0	1.2	0.0	-
43.3	CAL-WL-080	Temp. Easement	PEM	0.0	0.1	0.0	-
43.3	CAL-WL-081	Temp. Easement	PFO	0.0	0.0	0.0	-
43.3	CAL-WL-081	Perm. Easement	PFO	53.5	0.1	0.1	0.1
43.3	CAL-WL-081	Perm. Easement	PEM	53.5	0.3	0.3	-
43.4	CAL-WL-081	Temp. Easement	PEM	0.0	0.1	0.0	-
43.4	CAL-WL-081	Temp. Easement	PEM	0.0	0.3	0.0	-
43.4	CAL-WL-081	ATWS	PEM	0.0	0.0	0.0	-
43.4	CAL-WL-081	ATWS	PEM	0.0	0.4	0.0	-
43.4	CAL-WL-081	Perm. Easement	PEM	254.4	0.8	0.8	-
43.4	CAL-WL-081	Temp. Easement	PEM	0.0	0.2	0.0	-
43.4	CAL-WL-081	ATWS	PSS	0.0	0.2	0.0	-
43.4	CAL-WL-081	Perm. Easement	PSS	615.1	0.4	0.4	-
43.4	CAL-WL-081	Temp. Easement	PSS	0.0	1.1	0.0	-
43.5	CAL-WL-081	Temp. Easement	PEM	0.0	0.3	0.0	-
43.5	CAL-WL-081	ATWS	PSS	0.0	0.1	0.0	-
43.5	CAL-WL-081	ATWS	PEM	0.0	0.2	0.0	-
43.6	CAL-WL-081	Temp. Easement	PEM	0.0	0.2	0.0	-
43.6	CAL-WL-081	Perm. Easement	PEM	0.0	0.0	0.0	-
43.8	CAL-WL-082	Temp. Easement	PEM	0.0	0.0	0.0	-
43.8	CAL-WL-082	Temp. Easement	PEM	0.0	0.0	0.0	-
43.9	CAL-WL-083	Perm. Easement	PEM	2,921.9	3.7	3.7	-
43.9	CAL-WL-083	ATWS	PEM	0.0	0.6	0.0	-
44.2	CAL-WL-083	ATWS	PEM	0.0	0.3	0.0	-
44.3	CAL-WL-083	Temp. Easement	PEM	0.0	1.8	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
44.4	CAL-WL-083	ATWS	PEM	0.0	0.2	0.0	-
44.4	CAL-WL-083	Temp. Easement	PEM	0.0	4.6	0.0	-
44.4	CAL-WL-083	ATWS	PEM	0.0	0.3	0.0	-
44.5	CAL-WL-083	ATWS	PEM	0.0	0.2	0.0	-
44.6	CAL-WL-084	ATWS	PEM	0.0	0.1	0.0	-
44.6	CAL-WL-084	Perm. Easement	PEM	447.7	0.3	0.3	-
44.6	CAL-WL-084	Temp. Easement	PEM	0.0	0.3	0.0	-
44.6	CAL-WL-084	ATWS	PEM	0.0	0.2	0.0	-
44.6	CAL-WL-084	Temp. Easement	PEM	0.0	0.5	0.0	-
44.7	CAL-WL-085	ATWS	PEM	0.0	0.2	0.0	-
44.7	CAL-WL-085	Perm. Easement	PEM	57.7	0.4	0.4	-
44.7	CAL-WL-085	Temp. Easement	PEM	0.0	0.4	0.0	-
44.8	CAL-WL-085	ATWS	PEM	0.0	0.2	0.0	-
44.8	CAL-WL-085	Temp. Easement	PEM	0.0	0.9	0.0	-
44.8	CAL-WL-085	Perm. Easement	PSS	57.7	0.0	0.0	-
44.8	CAL-WL-085	Temp. Easement	PSS	0.0	0.0	0.0	-
44.8	CAL-WL-085	Temp. Easement	PSS	0.0	0.0	0.0	-
44.8	CAL-WL-085	Temp. Easement	PSS	0.0	0.1	0.0	-
45.1	CAL-WL-086	Perm. Easement	PEM	741.8	1.9	1.9	-
45.1	CAL-WL-086	Temp. Easement	PEM	0.0	1.4	0.0	-
45.1	CAL-WL-086	ATWS	PEM	0.0	0.2	0.0	-
45.3	CAL-WL-086	Temp. Easement	PEM	0.0	2.6	0.0	-
45.5	CAL-WL-086	ATWS	PEM	0.0	0.8	0.0	-
45.6	CAL-WL-087	ATWS	PFO	0.0	0.1	0.0	-
45.6	CAL-WL-087	Perm. Easement	PFO	83.2	0.1	0.1	0.1
45.6	CAL-WL-087	Temp. Easement	PFO	0.0	0.0	0.0	-
45.6	CAL-WL-087	Temp. Easement	PFO	0.0	0.1	0.0	-
45.6	CAL-WL-087	Perm. Easement	PFO	105.5	0.4	0.4	0.4
45.6	CAL-WL-087	Temp. Easement	PFO	0.0	0.3	0.0	-
45.7	CAL-WL-087	Temp. Easement	PFO	0.0	0.0	0.0	-
46.0	CAL-WL-088	Perm. Easement	PEM	310.0	0.2	0.2	-
46.0	CAL-WL-088	Temp. Easement	PEM	0.0	0.1	0.0	-
46.1	CAL-WL-088	ATWS	PEM	0.0	0.0	0.0	-
46.1	CAL-WL-088	Temp. Easement	PEM	0.0	0.0	0.0	-
46.1	CAL-WL-089	ATWS	PEM	0.0	0.2	0.0	-
46.1	CAL-WL-089	Perm. Easement	PEM	885.8	1.5	1.5	-
46.1	CAL-WL-089	ATWS	PEM	0.0	0.1	0.0	-
46.2	CAL-WL-089	ATWS	PEM	0.0	0.1	0.0	-
46.2	CAL-WL-089	Temp. Easement	PEM	0.0	0.6	0.0	-
46.3	CAL-WL-089	ATWS	PEM	0.0	0.3	0.0	-
46.3	CAL-WL-089	Temp. Easement	PEM	0.0	0.9	0.0	-
46.3	CAL-WL-090	Perm. Easement	PEM	885.8	1.1	1.1	-
46.3	CAL-WL-090	ATWS	PEM	0.0	0.4	0.0	-
46.4	CAL-WL-090	Temp. Easement	PEM	0.0	0.4	0.0	-
46.4	CAL-WL-090	ATWS	PEM	0.0	0.4	0.0	-
46.4	CAL-WL-090	Temp. Easement	PEM	0.0	0.7	0.0	-
46.7	CAL-WL-091	Perm. Easement	PEM	453.9	0.7	0.7	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
46.7	CAL-WL-091	Temp. Easement	PEM	0.0	0.4	0.0	-
46.7	CAL-WL-091	Temp. Easement	PEM	0.0	0.7	0.0	-
46.7	CAL-WL-091	ATWS	PEM	0.0	0.5	0.0	-
46.8	CAL-WL-092	Perm. Easement	PEM	25.7	1.5	1.5	-
47.0	CAL-WL-092	Temp. Easement	PEM	0.0	0.6	0.0	-
47.0	CAL-WL-092	Access Road	PEM	0.0	0.9	0.9	-
47.0	CAL-WL-092	Temp. Easement	PEM	0.0	0.6	0.0	-
47.0	CAL-WL-092	Temp. Easement	PEM	0.0	0.4	0.0	-
47.1	CAL-WL-092	ATWS	PEM	0.0	0.5	0.0	-
47.1	CAL-WL-092	ATWS	PEM	0.0	0.0	0.0	-
47.1	CAL-WL-092	Perm. Easement	PEM	25.7	0.0	0.0	-
47.1	CAL-WL-092	Temp. Easement	PEM	0.0	0.1	0.0	-
47.1	CAL-WL-092	ATWS	PEM	0.0	0.0	0.0	-
47.1	CAL-WL-092	Temp. Easement	PEM	0.0	0.0	0.0	-
47.1	CAL-WL-093	ATWS	PEM	0.0	0.0	0.0	-
47.1	CAL-WL-094	ATWS	PFO	0.0	0.0	0.0	-
47.1	CAL-WL-094	Perm. Easement	PFO	158.8	0.2	0.2	0.2
47.2	CAL-WL-094	Temp. Easement	PFO	0.0	0.0	0.0	-
47.2	CAL-WL-094	Temp. Easement	PFO	0.0	0.1	0.0	-
47.2	CAL-WL-094	Temp. Easement	PFO	0.0	0.0	0.0	-
47.2	CAL-WL-095	Perm. Easement	PFO	77.2	0.1	0.1	0.1
47.2	CAL-WL-095	Temp. Easement	PFO	0.0	0.0	0.0	-
47.2	CAL-WL-095	ATWS	PFO	0.0	0.5	0.0	-
47.2	CAL-WL-095	ATWS	PFO	0.0	0.2	0.0	-
47.2	CAL-WL-095	Temp. Easement	PFO	0.0	0.3	0.0	-
47.2	CAL-WL-095	Perm. Easement	PFO	430.0	0.5	0.5	0.5
47.2	CAL-WL-095	ATWS	PFO	0.0	0.2	0.0	-
47.2	CAL-WL-095	ATWS	PFO	0.0	0.1	0.0	-
47.3	CAL-WL-095	ATWS	PFO	0.0	0.1	0.0	-
47.3	CAL-WL-095	Temp. Easement	PFO	0.0	0.3	0.0	-
47.3	CAL-WL-095	ATWS	PFO	0.0	0.1	0.0	-
47.3	CAL-WL-096	Temp. Easement	PFO	0.0	0.2	0.0	-
47.3	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.3	CAL-WL-096	Access Road	PFO	0.0	0.0	0.0	-
47.4	CAL-WL-096	Access Road	PFO	0.0	0.0	0.0	-
47.4	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.4	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.4	CAL-WL-096	Access Road	PEM	0.0	0.1	0.1	-
47.4	CAL-WL-096	ATWS	PFO	0.0	0.6	0.0	-
47.4	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.5	CAL-WL-096	Access Road	PEM	0.0	0.0	0.0	-
47.5	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.5	CAL-WL-096	ATWS	PFO	0.0	0.2	0.0	-
47.5	CAL-WL-096	Access Road	PFO	0.0	0.0	0.0	-
47.5	CAL-WL-096	Access Road	PEM	0.0	0.0	0.0	-
47.5	CAL-WL-096	Access Road	PFO	0.0	0.0	0.0	0.0
47.5	CAL-WL-096	ATWS	PFO	0.0	0.3	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
47.5	CAL-WL-096	Perm. Easement	PFO	141.9	0.2	0.2	0.2
47.5	CAL-WL-096	Temp. Easement	PFO	0.0	0.1	0.0	-
47.5	CAL-WL-096	Temp. Easement	PFO	0.0	0.6	0.0	-
47.5	CAL-WL-096	ATWS	PFO	0.0	0.0	0.0	-
47.6	CAL-WL-096	Access Road	PFO	0.0	0.0	0.0	-
47.9	CAL-WL-097	Access Road	PEM	0.0	0.3	0.0	-
47.9	CAL-WL-097	Access Road	PEM	0.0	0.0	0.0	-
47.9	CAL-WL-097	Access Road	PEM	0.0	0.1	0.0	-
47.9	CAL-WL-097	Access Road	PEM	0.0	0.2	0.0	-
48.0	CAL-WL-097	ATWS	PEM	0.0	0.3	0.0	-
48.0	CAL-WL-097	ATWS	PEM	0.0	0.1	0.0	-
48.0	CAL-WL-097	ATWS	PEM	0.0	0.0	0.0	-
48.1	CAL-WL-098	ATWS	PFO	0.0	0.0	0.0	-
48.1	CAL-WL-098	Perm. Easement	PFO	0.0	0.0	0.0	0.0
48.1	CAL-WL-098	Temp. Easement	PFO	0.0	0.0	0.0	-
48.1	CAL-WL-098	Temp. Easement	PEM	0.0	0.0	0.0	-
48.1	CAL-WL-098	Access Road	PEM	0.0	0.1	0.0	-
48.1	CAL-WL-098	ATWS	PFO	0.0	0.0	0.0	-
48.2	CAL-WL-098	Perm. Easement	PEM	49.2	0.1	0.1	-
48.2	CAL-WL-098	Temp. Easement	PEM	0.0	0.0	0.0	-
48.2	CAL-WL-098	Access Road	PEM	0.0	0.1	0.0	-
48.2	CAL-WL-098	Perm. Easement	PEM	0.0	0.0	0.0	-
48.2	CAL-WL-098	Temp. Easement	PEM	0.0	0.0	0.0	-
48.2	CAL-WL-098	Access Road	PEM	0.0	0.1	0.0	-
48.2	CAL-WL-098	ATWS	PEM	0.0	0.0	0.0	-
48.2	CAL-WL-098	ATWS	PEM	0.0	0.0	0.0	-
48.5	CAL-WL-102	ATWS	PEM	0.0	0.0	0.0	-
48.5	CAL-WL-102	Temp. Easement	PEM	0.0	0.0	0.0	-
48.6	CAL-WL-103	Perm. Easement	PEM	57.2	0.0	0.0	-
48.6	CAL-WL-104	ATWS	PFO	0.0	0.1	0.0	-
48.6	CAL-WL-104	Perm. Easement	PFO	1,845.7	0.3	0.3	0.3
48.6	CAL-WL-104	ATWS	PFO	0.0	0.0	0.0	-
48.6	CAL-WL-104	ATWS	PEM	0.0	0.1	0.0	-
48.6	CAL-WL-104	Temp. Easement	PFO	0.0	0.1	0.0	-
48.7	CAL-WL-104	ATWS	PEM	0.0	0.0	0.0	-
48.7	CAL-WL-104	Perm. Easement	PEM	1,845.7	1.8	1.8	-
48.7	CAL-WL-104	Temp. Easement	PFO	0.0	0.2	0.0	-
48.7	CAL-WL-104	Temp. Easement	PEM	0.0	0.0	0.0	-
48.7	CAL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
48.7	CAL-WL-104	Perm. Easement	PFO	0.0	0.3	0.3	0.3
48.7	CAL-WL-104	Temp. Easement	PFO	0.0	0.7	0.0	-
48.9	CAL-WL-104	ATWS	PEM	0.0	0.0	0.0	-
48.9	CAL-WL-104	ATWS	PFO	0.0	0.3	0.0	-
48.9	CAL-WL-104	Temp. Easement	PEM	0.0	0.2	0.0	-
49.0	CAL-WL-104	Perm. Easement	PFO	0.0	0.1	0.1	0.1
49.0	CAL-WL-104	Temp. Easement	PEM	0.0	1.1	0.0	-
49.0	CAL-WL-104	Temp. Easement	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
49.0	CAL-WL-104	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.0	CAL-WL-104	Temp. Easement	PFO	0.0	0.6	0.0	-
49.1	CAL-WL-104	Temp. Easement	PEM	0.0	0.0	0.0	-
49.1	CAL-WL-104	Temp. Easement	PFO	0.0	0.4	0.0	-
49.1	CAL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
49.1	CAL-WL-104	Perm. Easement	PEM	343.7	0.4	0.4	-
49.1	CAL-WL-104	Temp. Easement	PEM	0.0	0.3	0.0	-
49.1	CAL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
49.2	CAL-WL-104	Temp. Easement	PEM	0.0	0.0	0.0	-
49.2	CAL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
49.2	CAL-WL-104	Perm. Easement	PFO	0.0	0.1	0.1	0.1
49.2	CAL-WL-104	Temp. Easement	PFO	0.0	0.4	0.0	-
49.2	CAL-WL-105	Temp. Easement	PEM	0.0	0.0	0.0	-
49.2	CAL-WL-104	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.2	CAL-WL-106	Perm. Easement	PFO	170.9	0.1	0.1	0.1
49.2	CAL-WL-104	Temp. Easement	PFO	0.0	0.0	0.0	-
49.3	CAL-WL-106	Temp. Easement	PEM	0.0	0.1	0.0	-
49.3	CAL-WL-106	Temp. Easement	PEM	0.0	0.0	0.0	-
49.3	CAL-WL-106	Temp. Easement	PFO	0.0	0.1	0.0	-
49.3	CAL-WL-241	Access Road	PEM	0.0	0.0	0.0	-
49.3	CAL-WL-106	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.3	CAL-WL-241	Access Road	PEM	0.0	0.0	0.0	-
49.3	CAL-WL-106	Temp. Easement	PFO	0.0	0.4	0.0	-
49.3	CAL-WL-106	Temp. Easement	PEM	0.0	0.1	0.0	-
49.4	CAL-WL-106	Perm. Easement	PFO	88.5	0.1	0.1	0.1
49.4	CAL-WL-106	Temp. Easement	PFO	0.0	0.0	0.0	-
49.4	CAL-WL-106	Temp. Easement	PEM	0.0	0.0	0.0	-
49.4	CAL-WL-106	Perm. Easement	PFO	31.2	0.0	0.0	0.0
49.4	CAL-WL-106	Temp. Easement	PEM	0.0	0.0	0.0	-
49.4	CAL-WL-106	Temp. Easement	PFO	0.0	0.1	0.0	-
49.4	CAL-WL-106	Temp. Easement	PFO	0.0	0.0	0.0	-
49.4	CAL-WL-106	Temp. Easement	PEM	0.0	0.0	0.0	-
49.4	CAL-WL-107	Temp. Easement	PFO	0.0	0.0	0.0	-
49.4	CAL-WL-107	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.4	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.4	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.4	CAL-WL-107	Temp. Easement	PFO	0.0	0.0	0.0	-
49.5	CAL-WL-107	Perm. Easement	PEM	10.4	0.0	0.0	-
49.5	CAL-WL-107	Temp. Easement	PFO	0.0	0.1	0.0	-
49.5	CAL-WL-107	Perm. Easement	PEM	41.1	0.0	0.0	-
49.5	CAL-WL-107	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.5	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.5	CAL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
49.5	CAL-WL-107	Perm. Easement	PEM	155.2	0.1	0.1	-
49.5	CAL-WL-107	Temp. Easement	PFO	0.0	0.3	0.0	-
49.5	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.5	CAL-WL-107	Perm. Easement	PFO	0.0	0.1	0.1	0.1

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
49.5	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.5	CAL-WL-107	Perm. Easement	PEM	44.8	0.0	0.0	-
49.5	CAL-WL-107	Perm. Easement	PFO	0.0	0.0	0.0	0.0
49.5	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.6	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.6	CAL-WL-107	Perm. Easement	PFO	102.5	0.1	0.1	0.1
49.6	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.6	CAL-WL-107	Temp. Easement	PFO	0.0	0.1	0.0	-
49.6	CAL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
49.6	CAL-WL-113	Access Road	PEM	0.0	2.3	2.3	-
49.6	CAL-WL-107	Temp. Easement	PFO	0.0	0.0	0.0	-
49.6	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.6	CAL-WL-112	Access Road	PEM	0.0	0.3	0.3	-
49.6	CAL-WL-107	Perm. Easement	PEM	105.6	0.0	0.0	-
49.6	CAL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.7	CAL-WL-107	Perm. Easement	PFO	0.0	0.1	0.1	0.1
49.7	CAL-WL-107	Temp. Easement	PFO	0.0	0.2	0.0	-
49.7	CAL-WL-111	Access Road	PEM	0.0	0.4	0.4	-
49.7	CAL-WL-107	Perm. Easement	PEM	160.5	0.1	0.1	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
49.7	CAL-WL-110	Access Road	PEM	0.0	0.2	0.2	-
49.7	CAL-WL-107	Access Road	PEM	0.0	0.1	0.1	-
49.7	CAL-WL-107	Perm. Easement	PEM	65.1	0.0	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.7	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-108	ATWS	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-108	ATWS	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-108	ATWS	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-107	Temp. Easement	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-114	Perm. Easement	PEM	39.0	0.0	0.0	-
49.8	CAL-WL-114	Temp. Easement	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-114	ATWS	PFO	0.0	0.0	0.0	-
49.8	CAL-WL-114	ATWS	PSS	0.0	0.1	0.0	-
49.8	CAL-WL-114	Perm. Easement	PSS	0.0	0.1	0.1	-
49.8	CAL-WL-114	Perm. Easement	PEM	86.2	0.0	0.0	-
49.8	CAL-WL-114	Temp. Easement	PEM	0.0	0.1	0.0	-
49.8	CAL-WL-114	Temp. Easement	PSS	0.0	0.1	0.0	-
49.8	CAL-WL-114	Perm. Easement	PEM	0.0	0.0	0.0	-
49.8	CAL-WL-114	Temp. Easement	PSS	0.0	0.1	0.0	-
49.9	CAL-WL-114	ATWS	PSS	0.0	0.0	0.0	-
49.9	CAL-WL-114	Perm. Easement	PSS	0.0	0.0	0.0	-
49.9	CAL-WL-115	Perm. Easement	PFO	63.2	0.2	0.2	0.2

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
49.9	CAL-WL-115	Temp. Easement	PFO	0.0	0.0	0.0	-
49.9	CAL-WL-115	Temp. Easement	PFO	0.0	0.0	0.0	-
49.9	CAL-WL-115	ATWS	PFO	0.0	0.6	0.0	-
49.9	CAL-WL-115	Perm. Easement	PEM	66.7	0.1	0.1	-
49.9	CAL-WL-115	Temp. Easement	PEM	0.0	0.0	0.0	-
50.0	CAL-WL-115	Temp. Easement	PFO	0.0	0.3	0.0	-
50.0	CAL-WL-115	Perm. Easement	PEM	39.0	0.0	0.0	-
50.0	CAL-WL-115	Perm. Easement	PFO	0.0	0.0	0.0	0.0
50.0	CAL-WL-115	Temp. Easement	PEM	0.0	0.0	0.0	-
50.3	CAL-WL-117	ATWS	PFO	0.0	0.1	0.0	-
50.3	CAL-WL-117	ATWS	PFO	0.0	0.1	0.0	-
50.3	CAL-WL-117	Temp. Easement	PFO	0.0	0.0	0.0	-
50.3	CAL-WL-117	ATWS	PFO	0.0	0.1	0.0	-
50.3	CAL-WL-117	Temp. Easement	PFO	0.0	0.0	0.0	-
50.4	CAL-WL-119	Perm. Easement	PFO	46.5	0.1	0.1	0.1
50.4	CAL-WL-119	Temp. Easement	PFO	0.0	0.1	0.0	-
50.4	CAL-WL-119	ATWS	PFO	0.0	0.0	0.0	-
50.4	CAL-WL-119	Temp. Easement	PFO	0.0	0.1	0.0	-
50.4	CAL-WL-119	ATWS	PFO	0.0	0.0	0.0	-
50.4	CAL-WL-119	Perm. Easement	PFO	35.8	0.0	0.0	0.0
50.4	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.4	CAL-WL-120	Perm. Easement	PFO	22.2	0.0	0.0	0.0
50.4	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.4	CAL-WL-120	Perm. Easement	PEM	22.2	0.7	0.7	-
50.4	CAL-WL-120	Perm. Easement	PFO	0.0	0.3	0.3	0.3
50.4	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.5	CAL-WL-120	Temp. Easement	PFO	0.0	0.6	0.0	-
50.5	CAL-WL-120	ATWS	PFO	0.0	0.3	0.0	-
50.5	CAL-WL-120	Temp. Easement	PEM	0.0	0.3	0.0	-
50.6	CAL-WL-120	Temp. Easement	PEM	0.0	0.1	0.0	-
50.6	CAL-WL-120	Perm. Easement	PEM	358.0	0.2	0.2	-
50.6	CAL-WL-120	Perm. Easement	PFO	0.0	0.1	0.1	0.1
50.6	CAL-WL-120	Temp. Easement	PFO	0.0	0.1	0.0	-
50.7	CAL-WL-120	Temp. Easement	PEM	0.0	0.1	0.0	-
50.7	CAL-WL-120	Perm. Easement	PFO	0.0	0.0	0.0	0.0
50.7	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.7	CAL-WL-120	Perm. Easement	PFO	34.4	0.6	0.6	0.6
50.7	CAL-WL-120	Temp. Easement	PFO	0.0	0.1	0.0	-
50.7	CAL-WL-120	Temp. Easement	PFO	0.0	0.1	0.0	-
50.8	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.8	CAL-WL-120	Temp. Easement	PFO	0.0	0.1	0.0	-
50.8	CAL-WL-122	Perm. Easement	PEM	34.4	0.0	0.0	-
50.8	CAL-WL-122	Temp. Easement	PEM	0.0	0.0	0.0	-
50.8	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.8	CAL-WL-120	Temp. Easement	PFO	0.0	0.0	0.0	-
50.8	CAL-WL-122	Perm. Easement	PEM	34.4	0.1	0.1	-
50.8	CAL-WL-122	Temp. Easement	PEM	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
50.8	CAL-WL-122	Temp. Easement	PEM	0.0	0.0	0.0	-
50.8	CAL-WL-122	Temp. Easement	PFO	0.0	0.4	0.0	-
50.9	CAL-WL-122	Perm. Easement	PFO	38.4	0.5	0.5	0.5
50.9	CAL-WL-122	Perm. Easement	PEM	38.4	0.1	0.1	-
50.9	CAL-WL-122	Temp. Easement	PEM	0.0	0.1	0.0	-
50.9	CAL-WL-124	Access Road	PFO	0.0	0.1	0.1	0.1
50.9	CAL-WL-124	Access Road	PEM	0.0	0.2	0.2	-
50.9	CAL-WL-125	Access Road	PEM	0.0	0.0	0.0	-
50.9	CAL-WL-125	Perm. Easement	PEM	162.0	0.1	0.1	-
50.9	CAL-WL-125	Temp. Easement	PEM	0.0	0.1	0.0	-
51.0	CAL-WL-125	Perm. Easement	PFO	0.0	0.1	0.1	0.1
51.0	CAL-WL-125	Temp. Easement	PFO	0.0	0.1	0.0	-
51.0	CAL-WL-126	Perm. Easement	PEM	294.6	0.1	0.1	-
51.0	CAL-WL-126	Temp. Easement	PEM	0.0	0.1	0.0	-
51.0	CAL-WL-126	Temp. Easement	PFO	0.0	0.1	0.0	-
51.0	CAL-WL-126	Access Road	PEM	0.0	0.1	0.0	-
51.0	CAL-WL-126	Perm. Easement	PFO	0.0	0.2	0.2	0.2
51.1	CAL-WL-128	Perm. Easement	PEM	51.7	0.1	0.1	-
51.1	CAL-WL-128	Temp. Easement	PEM	0.0	0.0	0.0	-
51.1	CAL-WL-128	Temp. Easement	PEM	0.0	0.1	0.0	-
51.3	CAL-WL-129	ATWS	PFO	0.0	0.1	0.0	-
51.3	CAL-WL-129	Perm. Easement	PFO	357.7	1.3	1.3	1.3
51.3	CAL-WL-129	ATWS	PFO	0.0	0.1	0.0	-
51.4	CAL-WL-129	ATWS	PFO	0.0	0.4	0.0	-
51.5	CAL-WL-129	Temp. Easement	PFO	0.0	0.8	0.0	-
51.5	CAL-WL-129	Temp. Easement	PFO	0.0	0.5	0.0	-
51.5	CAL-WL-129	ATWS	PFO	0.0	0.2	0.0	-
51.5	CAL-WL-129	ATWS	PEM	0.0	0.0	0.0	-
51.5	CAL-WL-129	ATWS	PEM	0.0	0.0	0.0	-
51.5	CAL-WL-129	Perm. Easement	PEM	165.6	0.4	0.4	-
51.5	CAL-WL-129	Temp. Easement	PEM	0.0	0.3	0.0	-
51.6	CAL-WL-129	ATWS	PEM	0.0	0.1	0.0	-
51.6	CAL-WL-129	ATWS	PEM	0.0	0.0	0.0	-
51.6	CAL-WL-129	ATWS	PFO	0.0	0.1	0.0	-
51.6	CAL-WL-129	ATWS	PEM	0.0	0.0	0.0	-
51.6	CAL-WL-129	ATWS	PEM	0.0	0.0	0.0	-
51.6	CAL-WL-129	Temp. Easement	PEM	0.0	0.2	0.0	-
51.6	CAL-WL-129	ATWS	PFO	0.0	0.1	0.0	-
51.6	CAL-WL-129	Perm. Easement	PFO	165.6	0.2	0.2	0.2
51.6	CAL-WL-129	Temp. Easement	PFO	0.0	0.1	0.0	-
51.6	CAL-WL-129	Temp. Easement	PFO	0.0	0.1	0.0	-
51.6	CAL-WL-130	ATWS	PFO	0.0	0.0	0.0	-
51.6	CAL-WL-130	Perm. Easement	PFO	476.6	0.6	0.6	0.6
51.7	CAL-WL-130	Temp. Easement	PFO	0.0	0.2	0.0	-
51.7	CAL-WL-130	Temp. Easement	PFO	0.0	0.1	0.0	-
51.7	CAL-WL-130	Temp. Easement	PFO	0.0	0.2	0.0	-
51.7	CAL-WL-130	Temp. Easement	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
51.7	CAL-WL-130	ATWS	PFO	0.0	0.1	0.0	-
51.7	CAL-WL-130	ATWS	PFO	0.0	0.1	0.0	-
51.7	CAL-WL-131	ATWS	PFO	0.0	0.1	0.0	-
51.7	CAL-WL-131	ATWS	PFO	0.0	0.1	0.0	-
51.7	CAL-WL-131	Perm. Easement	PFO	417.0	0.5	0.5	0.5
51.7	CAL-WL-131	Temp. Easement	PFO	0.0	0.2	0.0	-
51.8	CAL-WL-131	ATWS	PFO	0.0	0.3	0.0	-
51.8	CAL-WL-131	ATWS	PFO	0.0	0.1	0.0	-
51.8	CAL-WL-131	Temp. Easement	PFO	0.0	0.2	0.0	-
51.8	CAL-WL-131	Perm. Easement	PEM	417.0	0.1	0.1	-
51.8	CAL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
51.8	CAL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
51.9	CAL-WL-132	Perm. Easement	PFO	1,551.0	1.8	1.8	1.8
51.9	CAL-WL-132	ATWS	PFO	0.0	0.2	0.0	-
51.9	CAL-WL-132	Temp. Easement	PFO	0.0	1.0	0.0	-
52.1	CAL-WL-132	ATWS	PFO	0.0	0.0	0.0	-
52.1	CAL-WL-132	ATWS	PFO	0.0	0.2	0.0	-
52.1	CAL-WL-132	Temp. Easement	PFO	0.0	0.0	0.0	-
52.1	CAL-WL-132	Temp. Easement	PFO	0.0	0.7	0.0	-
52.3	CAL-WL-133	Perm. Easement	PEM	58.5	0.3	0.3	-
52.3	CAL-WL-133	Temp. Easement	PEM	0.0	0.1	0.0	-
52.3	CAL-WL-133	ATWS	PEM	0.0	0.0	0.0	-
52.3	CAL-WL-133	Temp. Easement	PEM	0.0	0.1	0.0	-
52.3	CAL-WL-133	ATWS	PEM	0.0	0.3	0.0	-
52.3	CAL-WL-133	Perm. Easement	PSS	130.4	0.2	0.2	-
52.3	CAL-WL-133	Temp. Easement	PSS	0.0	0.0	0.0	-
52.3	CAL-WL-133	Temp. Easement	PEM	0.0	0.2	0.0	-
52.3	CAL-WL-133	Temp. Easement	PSS	0.0	0.0	0.0	-
52.3	CAL-WL-133	Temp. Easement	PSS	0.0	0.0	0.0	-
52.3	CAL-WL-133	Perm. Easement	PEM	0.0	0.0	0.0	-
52.3	CAL-WL-133	Temp. Easement	PSS	0.0	0.0	0.0	-
52.4	CAL-WL-133	ATWS	PEM	0.0	0.0	0.0	-
52.4	CAL-WL-133	Perm. Easement	PEM	18.1	0.1	0.1	-
52.4	CAL-WL-133	Temp. Easement	PEM	0.0	0.1	0.0	-
52.4	CAL-WL-134	Perm. Easement	PFO	0.0	0.0	0.0	0.0
52.4	CAL-WL-134	Temp. Easement	PFO	0.0	0.0	0.0	-
52.4	CAL-WL-135	Perm. Easement	PSS	24.8	0.0	0.0	-
52.4	CAL-WL-135	Temp. Easement	PSS	0.0	0.0	0.0	-
52.4	CAL-WL-135	Temp. Easement	PSS	0.0	0.0	0.0	-
52.4	CAL-WL-135	ATWS	PSS	0.0	0.0	0.0	-
52.4	CAL-WL-135	ATWS	PFO	0.0	0.0	0.0	-
52.5	CAL-WL-135	ATWS	PFO	0.0	0.1	0.0	-
52.5	CAL-WL-135	ATWS	PFO	0.0	0.1	0.0	-
52.5	CAL-WL-135	Perm. Easement	PFO	243.2	0.3	0.3	0.3
52.5	CAL-WL-135	Temp. Easement	PFO	0.0	0.1	0.0	-
52.5	CAL-WL-135	Temp. Easement	PFO	0.0	0.1	0.0	-
52.5	CAL-WL-136	Perm. Easement	PFO	193.6	0.2	0.2	0.2

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
52.5	CAL-WL-136	Temp. Easement	PFO	0.0	0.0	0.0	-
52.5	CAL-WL-136	Temp. Easement	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	Temp. Easement	PFO	0.0	0.1	0.0	-
52.6	CAL-WL-136	Temp. Easement	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	Perm. Easement	PFO	23.5	0.0	0.0	0.0
52.6	CAL-WL-136	Temp. Easement	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	ATWS	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	ATWS	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	ATWS	PFO	0.0	0.1	0.0	-
52.6	CAL-WL-136	Perm. Easement	PFO	0.0	0.0	0.0	-
52.6	CAL-WL-136	Temp. Easement	PFO	0.0	0.1	0.0	-
52.6	CAL-WL-136	Perm. Easement	PFO	21.3	0.0	0.0	0.0
52.6	CAL-WL-136	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	ATWS	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	Perm. Easement	PFO	16.4	0.0	0.0	0.0
52.7	CAL-WL-137	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	ATWS	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	Perm. Easement	PFO	28.4	0.0	0.0	0.0
52.7	CAL-WL-138	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-137	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-138	Perm. Easement	PFO	74.4	0.3	0.3	0.3
52.7	CAL-WL-138	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-138	Temp. Easement	PFO	0.0	0.0	0.0	-
52.7	CAL-WL-138	Temp. Easement	PFO	0.0	0.1	0.0	-
52.7	CAL-WL-138	Temp. Easement	PFO	0.0	0.0	0.0	-
52.8	CAL-WL-139	Perm. Easement	PFO	50.6	1.7	1.7	1.7
53.0	CAL-WL-139	ATWS	PFO	0.0	0.2	0.0	-
53.0	CAL-WL-139	Temp. Easement	PFO	0.0	0.7	0.0	-
53.0	CAL-WL-139	ATWS	PFO	0.0	0.1	0.0	-
53.0	CAL-WL-139	Temp. Easement	PFO	0.0	1.0	0.0	-
53.0	CAL-WL-139	ATWS	PEM	0.0	0.0	0.0	-
53.0	CAL-WL-139	Perm. Easement	PEM	235.3	0.1	0.1	-
53.0	CAL-WL-139	Temp. Easement	PEM	0.0	0.0	0.0	-
53.0	CAL-WL-139	ATWS	PFO	0.0	0.0	0.0	-
53.0	CAL-WL-139	ATWS	PFO	0.0	0.0	0.0	-
53.0	CAL-WL-139	ATWS	PEM	0.0	0.0	0.0	-
53.0	CAL-WL-139	Perm. Easement	PFO	235.3	0.3	0.3	0.3
53.0	CAL-WL-139	Temp. Easement	PFO	0.0	0.1	0.0	-
53.0	CAL-WL-139	Temp. Easement	PEM	0.0	0.0	0.0	-
53.1	CAL-WL-139	Temp. Easement	PFO	0.0	0.1	0.0	-
53.1	CAL-WL-139	ATWS	PFO	0.0	0.1	0.0	-
53.1	CAL-WL-139	ATWS	PFO	0.0	0.1	0.0	-
53.1	CAL-WL-140	ATWS	PFO	0.0	0.2	0.0	-
53.1	CAL-WL-140	Perm. Easement	PFO	307.0	0.3	0.3	0.3
53.1	CAL-WL-140	Temp. Easement	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
53.2	CAL-WL-140	Temp. Easement	PFO	0.0	0.2	0.0	-
53.2	CAL-WL-140	Perm. Easement	PFO	0.0	0.0	0.0	-
53.2	CAL-WL-140	Temp. Easement	PFO	0.0	0.0	0.0	-
53.2	CAL-WL-141	Perm. Easement	PFO	92.9	0.1	0.1	0.1
53.2	CAL-WL-141	ATWS	PFO	0.0	0.1	0.0	-
53.2	CAL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
53.2	CAL-WL-141	Temp. Easement	PFO	0.0	0.0	0.0	-
53.2	CAL-WL-141	Temp. Easement	PFO	0.0	0.0	0.0	-
53.3	CAL-WL-141	Perm. Easement	PFO	186.0	0.2	0.2	0.2
53.3	CAL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
53.3	CAL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
53.3	CAL-WL-141	Perm. Easement	PFO	97.1	0.3	0.3	0.3
53.3	CAL-WL-141	Temp. Easement	PFO	0.0	0.2	0.0	-
53.3	CAL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
53.4	CAL-WL-141	ATWS	PFO	0.0	0.0	0.0	-
53.4	CAL-WL-141	ATWS	PFO	0.0	0.1	0.0	-
53.4	CAL-WL-141	Perm. Easement	PFO	97.1	0.1	0.1	0.1
53.4	CAL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
53.4	CAL-WL-141	ATWS	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-141	ATWS	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-141	Temp. Easement	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-141	Perm. Easement	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-141	Temp. Easement	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-142	Perm. Easement	PEM	0.0	0.0	0.0	-
53.4	CAL-WL-142	Perm. Easement	PFO	234.3	0.2	0.2	0.2
53.5	CAL-WL-142	Temp. Easement	PFO	0.0	0.1	0.0	-
53.5	CAL-WL-142	Temp. Easement	PEM	0.0	0.1	0.0	-
53.5	CAL-WL-142	Perm. Easement	PFO	0.0	0.0	0.0	0.0
53.5	CAL-WL-142	Perm. Easement	PEM	0.0	0.0	0.0	-
53.5	CAL-WL-142	Perm. Easement	PFO	25.5	0.0	0.0	0.0
53.5	CAL-WL-142	Temp. Easement	PEM	0.0	0.0	0.0	-
53.5	CAL-WL-142	Temp. Easement	PFO	0.0	0.0	0.0	-
53.5	CAL-WL-142	Perm. Easement	PFO	92.4	0.1	0.1	0.1
53.5	CAL-WL-142	Perm. Easement	PEM	0.0	0.0	0.0	-
53.5	CAL-WL-142	Temp. Easement	PFO	0.0	0.0	0.0	-
53.5	CAL-WL-142	Temp. Easement	PEM	0.0	0.0	0.0	-
53.5	CAL-WL-142	Temp. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Temp. Easement	PFO	0.0	0.1	0.0	-
53.6	CAL-WL-143	Perm. Easement	PFO	41.5	0.2	0.2	0.2
53.6	CAL-WL-143	Temp. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Perm. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Perm. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Temp. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Temp. Easement	PFO	0.0	0.1	0.0	-
53.6	CAL-WL-143	Temp. Easement	PEM	0.0	0.0	0.0	-
53.6	CAL-WL-143	Perm. Easement	PFO	85.7	0.1	0.1	0.1
53.6	CAL-WL-143	Temp. Easement	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
53.6	CAL-WL-143	Temp. Easement	PEM	0.0	0.0	0.0	-
53.7	CAL-WL-143	Perm. Easement	PEM	85.7	0.0	0.0	-
53.7	CAL-WL-143	Perm. Easement	PFO	0.0	0.0	0.0	0.0
53.7	CAL-WL-143	Perm. Easement	PEM	42.3	0.1	0.1	-
53.7	CAL-WL-143	Perm. Easement	PFO	0.0	0.1	0.1	0.1
53.7	CAL-WL-143	Temp. Easement	PFO	0.0	0.1	0.0	-
53.7	CAL-WL-143	Perm. Easement	PFO	0.0	0.1	0.1	0.1
53.7	CAL-WL-143	Temp. Easement	PFO	0.0	0.0	0.0	-
53.7	CAL-WL-143	Perm. Easement	PEM	48.8	0.0	0.0	-
53.7	CAL-WL-146	Temp. Easement	PFO	0.0	0.0	0.0	-
53.7	CAL-WL-143	Temp. Easement	PEM	0.0	0.3	0.0	-
53.8	CAL-WL-147	Temp. Easement	PFO	0.0	0.0	0.0	-
53.8	CAL-WL-149	Perm. Easement	PEM	16.9	0.0	0.0	-
53.8	CAL-WL-149	Temp. Easement	PFO	0.0	0.0	0.0	-
53.8	CAL-WL-149	Temp. Easement	PEM	0.0	0.0	0.0	-
53.8	CAL-WL-149	Perm. Easement	PFO	0.0	0.0	0.0	0.0
53.8	CAL-WL-149	Perm. Easement	PEM	16.9	0.0	0.0	-
53.8	CAL-WL-149	Temp. Easement	PEM	0.0	0.0	0.0	-
53.8	CAL-WL-150	Perm. Easement	PEM	23.7	0.0	0.0	-
53.8	CAL-WL-150	Temp. Easement	PEM	0.0	0.0	0.0	-
53.8	CAL-WL-150	Temp. Easement	PFO	0.0	0.0	0.0	-
53.9	CAL-WL-150	Perm. Easement	PEM	55.7	0.0	0.0	-
53.9	CAL-WL-150	Perm. Easement	PFO	0.0	0.0	0.0	0.0
53.9	CAL-WL-150	Temp. Easement	PEM	0.0	0.0	0.0	-
53.9	CAL-WL-150	Perm. Easement	PEM	0.0	0.0	0.0	-
53.9	CAL-WL-150	Temp. Easement	PEM	0.0	0.0	0.0	-
53.9	CAL-WL-150	Temp. Easement	PFO	0.0	0.0	0.0	-
53.9	CAL-WL-150	Perm. Easement	PEM	463.8	0.1	0.1	-
53.9	CAL-WL-150	Temp. Easement	PFO	0.0	0.0	0.0	-
53.9	CAL-WL-150	Perm. Easement	PFO	0.0	0.1	0.1	0.1
53.9	CAL-WL-150	Temp. Easement	PFO	0.0	0.2	0.0	-
53.9	CAL-WL-150	ATWS	PFO	0.0	0.1	0.0	-
54.0	CAL-WL-150	Temp. Easement	PEM	0.0	0.2	0.0	-
54.0	CAL-WL-150	Perm. Easement	PFO	0.0	0.2	0.2	0.2
54.0	CAL-WL-150	ATWS	PFO	0.0	0.0	0.0	-
54.0	CAL-WL-150	Temp. Easement	PFO	0.0	0.0	0.0	-
54.0	CAL-WL-151	Perm. Easement	PEM	11.7	0.0	0.0	-
54.0	CAL-WL-151	Temp. Easement	PEM	0.0	0.0	0.0	-
54.0	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.0	CAL-WL-152	Perm. Easement	PFO	113.3	0.2	0.2	0.2
54.0	CAL-WL-152	Temp. Easement	PEM	0.0	0.1	0.0	-
54.0	CAL-WL-152	Temp. Easement	PFO	0.0	0.2	0.0	-
54.1	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.1	CAL-WL-152	Temp. Easement	PEM	0.0	0.1	0.0	-
54.1	CAL-WL-152	ATWS	PFO	0.0	0.1	0.0	-
54.1	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.1	CAL-WL-152	Perm. Easement	PFO	109.2	0.1	0.1	0.1

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
54.1	CAL-WL-152	Temp. Easement	PEM	0.0	0.1	0.0	-
54.1	CAL-WL-152	Temp. Easement	PFO	0.0	0.1	0.0	-
54.1	CAL-WL-152	ATWS	PFO	0.0	0.1	0.0	-
54.1	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.1	CAL-WL-152	Perm. Easement	PFO	78.0	0.1	0.1	0.1
54.1	CAL-WL-152	Temp. Easement	PFO	0.0	0.1	0.0	-
54.1	CAL-WL-152	ATWS	PFO	0.0	0.1	0.0	-
54.2	CAL-WL-152	Perm. Easement	PFO	33.4	0.1	0.1	0.1
54.2	CAL-WL-152	Perm. Easement	PEM	24.6	0.0	0.0	-
54.2	CAL-WL-152	Temp. Easement	PEM	0.0	0.0	0.0	-
54.2	CAL-WL-152	Temp. Easement	PEM	0.0	0.0	0.0	-
54.2	CAL-WL-152	Temp. Easement	PEM	0.0	0.0	0.0	-
54.2	CAL-WL-152	Temp. Easement	PEM	0.0	0.0	0.0	-
54.2	CAL-WL-152	Perm. Easement	PFO	24.6	0.2	0.2	0.2
54.2	CAL-WL-152	Temp. Easement	PEM	0.0	0.1	0.0	-
54.2	CAL-WL-152	Perm. Easement	PFO	183.7	0.3	0.3	0.3
54.2	CAL-WL-152	Temp. Easement	PFO	0.0	0.2	0.0	-
54.2	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.2	CAL-WL-152	Temp. Easement	PFO	0.0	0.0	0.0	-
54.3	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.3	CAL-WL-152	Temp. Easement	PEM	0.0	0.1	0.0	-
54.3	CAL-WL-152	Temp. Easement	PFO	0.0	0.1	0.0	-
54.3	CAL-WL-152	Perm. Easement	PFO	69.5	0.1	0.1	0.1
54.3	CAL-WL-152	Perm. Easement	PEM	0.0	0.0	0.0	-
54.3	CAL-WL-152	Temp. Easement	PEM	0.0	0.0	0.0	-
54.3	CAL-WL-152	Temp. Easement	PFO	0.0	0.1	0.0	-
54.3	CAL-WL-152	Perm. Easement	PFO	20.1	0.0	0.0	0.0
54.3	CAL-WL-154	Temp. Easement	PEM	0.0	0.0	0.0	-
54.3	CAL-WL-154	Perm. Easement	PEM	0.0	0.0	0.0	-
54.3	CAL-WL-152	Temp. Easement	PFO	0.0	0.0	0.0	-
54.3	CAL-WL-154	Temp. Easement	PFO	0.0	0.0	0.0	-
54.4	CAL-WL-154	Perm. Easement	PFO	0.0	0.0	0.0	-
54.4	CAL-WL-156	Temp. Easement	PEM	0.0	0.0	0.0	-
54.4	CAL-WL-156	Perm. Easement	PEM	0.0	0.0	0.0	-
54.4	CAL-WL-156	Temp. Easement	PFO	0.0	0.0	0.0	-
54.4	CAL-WL-156	Perm. Easement	PFO	34.4	0.0	0.0	0.0
54.4	CAL-WL-156	Perm. Easement	PEM	0.0	0.0	0.0	-
54.4	CAL-WL-156	Temp. Easement	PEM	0.0	0.0	0.0	-
54.4	CAL-WL-157	Temp. Easement	PFO	0.0	0.6	0.0	-
54.4	CAL-WL-157	Perm. Easement	PFO	313.2	1.0	1.0	1.0
54.4	CAL-WL-157	Temp. Easement	PEM	0.0	0.1	0.0	-
54.4	CAL-WL-157	ATWS	PFO	0.0	0.3	0.0	-
54.4	CAL-WL-157	Perm. Easement	PEM	0.0	0.0	0.0	-
54.5	CAL-WL-157	Temp. Easement	PFO	0.0	0.1	0.0	-
54.5	CAL-WL-157	Temp. Easement	PFO	0.0	0.0	0.0	-
54.5	CAL-WL-157	ATWS	PFO	0.0	0.2	0.0	-
54.6	CAL-WL-157	ATWS	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
54.6	CAL-WL-157	ATWS	PFO	0.0	0.0	0.0	-
54.6	CAL-WL-157	Temp. Easement	PFO	0.0	0.0	0.0	-
54.6	CAL-WL-157	ATWS	PFO	0.0	0.1	0.0	-
54.6	CAL-WL-157	ATWS	PFO	0.0	0.0	0.0	-
54.6	CAL-WL-157	Temp. Easement	PFO	0.0	0.1	0.0	-
54.8	CAL-WL-158	ATWS	PFO	0.0	0.1	0.0	-
54.8	CAL-WL-158	ATWS	PFO	0.0	0.1	0.0	-
54.8	CAL-WL-158	Perm. Easement	PFO	890.9	0.1	0.1	0.1
54.8	CAL-WL-158	Temp. Easement	PFO	0.0	0.1	0.0	-
54.8	CAL-WL-158	Temp. Easement	PFO	0.0	0.0	0.0	-
54.8	CAL-WL-158	Perm. Easement	PEM	20.5	1.0	1.0	-
54.8	CAL-WL-158	Temp. Easement	PEM	0.0	0.0	0.0	-
54.8	CAL-WL-158	Temp. Easement	PEM	0.0	0.6	0.0	-
54.8	CAL-WL-158	Access Road	PEM	0.0	0.1	0.1	-
54.8	CAL-WL-158	ATWS	PEM	0.0	0.1	0.0	-
54.8	CAL-WL-158	ATWS	PEM	0.0	0.5	0.0	-
54.8	CAL-WL-158	ATWS	PEM	0.0	0.0	0.0	-
54.9	CAL-WL-158	ATWS	PEM	0.0	0.0	0.0	-
54.9	CAL-WL-158	Access Road	PEM	0.0	1.0	1.0	-
54.9	CAL-WL-158	ATWS	PEM	0.0	0.0	0.0	-
54.9	CAL-WL-158	ATWS	PEM	0.0	0.0	0.0	-
54.9	CAL-WL-158	ATWS	PFO	0.0	0.2	0.0	-
54.9	CAL-WL-158	ATWS	PEM	0.0	1.0	0.0	-
55.0	CAL-WL-158	Perm. Easement	PFO	20.5	0.0	0.0	0.0
55.0	CAL-WL-158	Temp. Easement	PEM	0.0	0.1	0.0	-
55.0	CAL-WL-158	Temp. Easement	PFO	0.0	0.0	0.0	-
55.0	CAL-WL-158	Temp. Easement	PEM	0.0	0.2	0.0	-
55.0	CAL-WL-158	Perm. Easement	PEM	20.5	0.8	0.8	-
55.0	CAL-WL-158	Temp. Easement	PFO	0.0	0.0	0.0	-
55.0	CAL-WL-158	Temp. Easement	PFO	0.0	0.0	0.0	-
55.0	CAL-WL-158	Temp. Easement	PEM	0.0	0.5	0.0	-
55.1	CAL-WL-158	Temp. Easement	PEM	0.0	0.2	0.0	-
55.1	CAL-WL-158	Temp. Easement	PEM	0.0	0.1	0.0	-
55.5	CAL-WL-159	Perm. Easement	PEM	164.1	0.7	0.7	-
55.5	CAL-WL-159	Temp. Easement	PEM	0.0	0.5	0.0	-
55.6	CAL-WL-159	Temp. Easement	PEM	0.0	0.2	0.0	-
55.7	CAL-WL-159	Temp. Easement	PEM	0.0	0.9	0.0	-
55.7	CAL-WL-159	Temp. Easement	PEM	0.0	0.3	0.0	-
55.8	CAL-WL-159	ATWS	PEM	0.0	0.2	0.0	-
55.8	CAL-WL-160	Perm. Easement	PEM	115.4	0.1	0.1	-
55.8	CAL-WL-160	Temp. Easement	PEM	0.0	0.1	0.0	-
55.8	CAL-WL-160	ATWS	PEM	0.0	0.1	0.0	-
55.8	CAL-WL-160	Temp. Easement	PEM	0.0	0.2	0.0	-
55.8	CAL-WL-160	Temp. Easement	PEM	0.0	0.1	0.0	-
55.8	CAL-WL-160	Perm. Easement	PEM	105.7	0.1	0.1	-
55.8	CAL-WL-160	Temp. Easement	PEM	0.0	0.1	0.0	-
55.9	CAL-WL-160	Perm. Easement	PEM	194.9	0.2	0.2	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
55.9	CAL-WL-160	Temp. Easement	PEM	0.0	0.1	0.0	-
55.9	CAL-WL-160	Temp. Easement	PEM	0.0	0.3	0.0	-
56.0	CAL-WL-160	Perm. Easement	PEM	237.8	0.2	0.2	-
56.0	CAL-WL-160	Temp. Easement	PEM	0.0	0.1	0.0	-
56.0	CAL-WL-160	Temp. Easement	PEM	0.0	0.2	0.0	-
56.0	CAL-WL-161	Perm. Easement	PEM	22.6	0.1	0.1	-
56.1	CAL-WL-161	Temp. Easement	PEM	0.0	0.3	0.0	-
56.2	CAL-WL-162	Perm. Easement	PEM	317.4	0.3	0.3	-
56.2	CAL-WL-162	Temp. Easement	PEM	0.0	0.3	0.0	-
56.2	CAL-WL-162	Perm. Easement	PFO	0.0	0.0	0.0	-
56.2	CAL-WL-162	Temp. Easement	PEM	0.0	0.2	0.0	-
56.2	CAL-WL-162	Temp. Easement	PFO	0.0	0.0	0.0	-
56.2	CAL-WL-162	Temp. Easement	PFO	0.0	0.0	0.0	-
56.3	CAL-WL-162	ATWS	PFO	0.0	0.1	0.0	-
56.3	CAL-WL-162	ATWS	PEM	0.0	0.0	0.0	-
56.3	CAL-WL-162	Perm. Easement	PEM	0.0	0.0	0.0	-
56.3	CAL-WL-162	Temp. Easement	PEM	0.0	0.0	0.0	-
56.3	CAL-WL-163	Temp. Easement	PEM	0.0	0.0	0.0	-
56.5	CAL-WL-164	Perm. Easement	PFO	187.0	0.2	0.2	0.2
56.5	CAL-WL-164	Temp. Easement	PFO	0.0	0.1	0.0	-
56.6	CAL-WL-164	ATWS	PFO	0.0	0.0	0.0	-
56.6	CAL-WL-164	Temp. Easement	PFO	0.0	0.1	0.0	-
56.6	CAL-WL-164	ATWS	PFO	0.0	0.1	0.0	-
56.7	CAL-WL-165	Perm. Easement	PEM	215.2	0.3	0.3	-
56.7	CAL-WL-165	Temp. Easement	PEM	0.0	0.2	0.0	-
56.7	CAL-WL-165	Temp. Easement	PEM	0.0	0.2	0.0	-
56.7	CAL-WL-165	ATWS	PEM	0.0	0.2	0.0	-
56.7	CAL-WL-165	Access Road	PEM	0.0	0.3	0.3	-
56.7	CAL-WL-165	ATWS	PEM	0.0	0.0	0.0	-
56.7	CAL-WL-165	Temp. Easement	PEM	0.0	0.0	0.0	-
57.3	CAL-WL-168	Access Road	PFO	0.0	0.0	0.0	0.0
57.4	CAL-WL-169	Access Road	PFO	0.0	0.1	0.1	0.1
57.4	CAL-WL-169	Access Road	PFO	0.0	0.1	0.1	0.1
57.9	CAL-WL-170	Temp. Easement	PFO	0.0	0.0	0.0	-
58.1	CAL-WL-171	Perm. Easement	PFO	70.9	0.1	0.1	0.1
58.1	CAL-WL-171	Temp. Easement	PFO	0.0	0.1	0.0	-
58.1	CAL-WL-171	Temp. Easement	PFO	0.0	0.0	0.0	-
58.5	CAL-WL-172	Perm. Easement	PFO	0.0	0.0	0.0	0.0
58.5	CAL-WL-172	Temp. Easement	PFO	0.0	0.1	0.0	-
58.5	CAL-WL-172	Perm. Easement	PFO	0.0	0.0	0.0	0.0
58.5	CAL-WL-172	Temp. Easement	PFO	0.0	0.1	0.0	-
58.6	CAL-WL-242	Contractor Yd	PEM	0.0	2.5	0.0	-
58.8	CAL-WL-173	Access Road	PEM	0.0	0.0	0.0	-
58.8	CAL-WL-243	Contractor Yd	PEM	0.0	0.5	0.0	-
59.1	CAL-WL-174	ATWS	PFO	0.0	0.1	0.0	-
59.1	CAL-WL-174	Perm. Easement	PEM	171.1	0.1	0.1	-
59.1	CAL-WL-174	Temp. Easement	PEM	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
59.1	CAL-WL-174	Temp. Easement	PFO	0.0	0.2	0.0	-
59.2	CAL-WL-174	Perm. Easement	PFO	0.0	0.0	0.0	-
59.2	CAL-WL-175	Perm. Easement	PEM	307.0	0.2	0.2	-
59.2	CAL-WL-175	Temp. Easement	PFO	0.0	0.3	0.0	-
59.3	CAL-WL-175	Temp. Easement	PEM	0.0	0.1	0.0	-
59.3	CAL-WL-175	Perm. Easement	PFO	0.0	0.0	0.0	0.0
59.3	CAL-WL-176	Perm. Easement	PEM	1,429.1	0.7	0.7	-
59.5	CAL-WL-176	Temp. Easement	PEM	0.0	0.8	0.0	-
59.5	CAL-WL-176	Temp. Easement	PFO	0.0	2.0	0.0	-
59.6	CAL-WL-176	Perm. Easement	PFO	68.2	0.8	0.8	0.8
59.6	CAL-WL-176	Perm. Easement	PFO	68.2	0.1	0.1	0.1
59.6	CAL-WL-176	Temp. Easement	PEM	0.0	0.1	0.0	-
59.7	CAL-WL-176	ATWS	PFO	0.0	0.6	0.0	-
59.7	CAL-WL-176	ATWS	PFO	0.0	0.3	0.0	-
59.7	CAL-WL-176	Perm. Easement	PEM	68.2	0.1	0.1	-
59.7	CAL-WL-176	Temp. Easement	PFO	0.0	0.2	0.0	-
59.7	CAL-WL-176	Temp. Easement	PEM	0.0	0.0	0.0	-
59.7	CAL-WL-176	Access Road	PEM	0.0	0.3	0.3	-
60.0	CAL-WL-179	ATWS	PEM	0.0	0.3	0.0	-
60.0	CAL-WL-179	Access Road	PEM	0.0	0.6	0.6	-
60.0	CAL-WL-179	ATWS	PFO	0.0	0.4	0.0	-
60.0	CAL-WL-179	ATWS	PFO	0.0	0.4	0.0	-
60.1	CAL-WL-181	ATWS	PEM	0.0	0.2	0.0	-
60.2	CAL-WL-182	ATWS	PFO	0.0	0.0	0.0	-
60.2	CAL-WL-183	Perm. Easement	PEM	155.8	0.1	0.1	-
60.2	CAL-WL-183	Perm. Easement	PFO	0.0	0.1	0.1	0.1
60.2	CAL-WL-183	Temp. Easement	PFO	0.0	0.1	0.0	-
60.3	CAL-WL-183	ATWS	PFO	0.0	0.0	0.0	-
60.3	CAL-WL-183	Perm. Easement	PEM	87.5	0.0	0.0	-
60.3	CAL-WL-183	Temp. Easement	PEM	0.0	0.1	0.0	-
60.3	CAL-WL-183	Perm. Easement	PFO	0.0	0.0	0.0	0.0
60.3	CAL-WL-184	Temp. Easement	PFO	0.0	0.0	0.0	-
60.3	CAL-WL-184	Perm. Easement	PEM	28.0	0.1	0.1	-
60.3	CAL-WL-184	Perm. Easement	PFO	17.8	0.0	0.0	0.0
60.3	CAL-WL-184	Temp. Easement	PFO	0.0	0.0	0.0	-
60.3	CAL-WL-178	Perm. Easement	PEM	28.0	0.0	0.0	-
60.3	CAL-WL-184	Perm. Easement	PFO	54.6	0.0	0.0	0.0
60.3	CAL-WL-184	Temp. Easement	PFO	0.0	0.0	0.0	-
60.3	CAL-WL-184	Perm. Easement	PFO	108.4	0.0	0.0	0.0
60.4	CAL-WL-184	Perm. Easement	PFO	113.0	0.1	0.1	0.1
60.4	CAL-WL-184	Temp. Easement	PFO	0.0	0.1	0.0	-
60.4	CAL-WL-184	Temp. Easement	PEM	0.0	0.2	0.0	-
60.4	CAL-WL-184	Perm. Easement	PFO	25.5	0.0	0.0	0.0
60.4	CAL-WL-184	Perm. Easement	PEM	0.0	0.0	0.0	-
60.4	CAL-WL-184	Temp. Easement	PEM	0.0	0.2	0.0	-
60.5	CAL-WL-184	Perm. Easement	PEM	58.1	0.1	0.1	-
60.5	CAL-WL-185	Perm. Easement	PEM	278.5	0.2	0.2	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
60.5	CAL-WL-185	Temp. Easement	PEM	0.0	0.0	0.0	-
60.5	CAL-WL-185	Temp. Easement	PEM	0.0	0.2	0.0	-
60.8	CAL-WL-187	ATWS	PFO	0.0	0.1	0.0	-
61.7	CAL-WL-188	Temp. Easement	PEM	0.0	0.8	0.0	-
61.7	CAL-WL-188	Perm. Easement	PEM	293.1	0.1	0.1	-
61.8	CAL-WL-188	Temp. Easement	PFO	0.0	0.4	0.0	-
61.8	CAL-WL-188	Perm. Easement	PFO	293.1	0.3	0.3	0.3
61.9	CAL-WL-188	Perm. Easement	PEM	300.2	0.1	0.1	-
61.9	CAL-WL-188	Perm. Easement	PFO	0.0	0.1	0.1	0.1
61.9	CAL-WL-188	Temp. Easement	PFO	0.0	0.3	0.0	-
61.9	CAL-WL-188	ATWS	PFO	0.0	0.2	0.0	-
61.9	CAL-WL-189	Perm. Easement	PEM	638.1	0.2	0.2	-
61.9	CAL-WL-189	Perm. Easement	PFO	638.1	0.1	0.1	0.1
62.0	CAL-WL-189	ATWS	PFO	0.0	0.1	0.0	-
62.0	CAL-WL-189	Perm. Easement	PFO	0.0	0.0	0.0	-
62.0	CAL-WL-189	Temp. Easement	PFO	0.0	0.6	0.0	-
62.1	CAL-WL-189	Perm. Easement	PFO	0.0	0.1	0.1	0.1
62.1	CAL-WL-189	Temp. Easement	PEM	0.0	0.3	0.0	-
62.1	CAL-WL-190	Perm. Easement	PFO	125.7	0.1	0.1	0.1
62.1	CAL-WL-190	Perm. Easement	PEM	0.0	0.0	0.0	-
62.1	CAL-WL-190	Temp. Easement	PFO	0.0	0.2	0.0	-
62.1	CAL-WL-190	Temp. Easement	PEM	0.0	0.1	0.0	-
62.3	CAL-WL-191	Temp. Easement	PFO	0.0	0.2	0.0	-
62.3	CAL-WL-191	Perm. Easement	PFO	79.6	0.1	0.1	0.1
62.3	CAL-WL-191	Temp. Easement	PFO	0.0	0.0	0.0	-
62.4	CAL-WL-192	Perm. Easement	PSS	165.9	0.1	0.1	-
62.4	CAL-WL-192	Temp. Easement	PSS	0.0	0.1	0.0	-
62.4	CAL-WL-192	Temp. Easement	PEM	0.0	0.1	0.0	-
62.4	CAL-WL-193	Perm. Easement	PFO	41.1	0.0	0.0	0.0
62.4	CAL-WL-193	Perm. Easement	PEM	0.0	0.0	0.0	-
62.4	CAL-WL-193	Temp. Easement	PFO	0.0	0.1	0.0	-
62.4	CAL-WL-193	Temp. Easement	PEM	0.0	0.0	0.0	-
62.7	CAL-WL-194	Perm. Easement	PEM	12.2	0.0	0.0	-
62.7	CAL-WL-194	Temp. Easement	PSS	0.0	0.1	0.0	-
62.7	CAL-WL-194	Temp. Easement	PEM	0.0	0.0	0.0	-
62.7	CAL-WL-194	Perm. Easement	PSS	12.2	0.1	0.1	-
62.7	CAL-WL-194	ATWS	PSS	0.0	0.0	0.0	-
62.8	CAL-WL-195	Perm. Easement	PEM	117.5	0.0	0.0	-
62.8	CAL-WL-195	Perm. Easement	PSS	117.5	0.1	0.1	-
62.8	CAL-WL-195	Temp. Easement	PEM	0.0	0.1	0.0	-
62.8	CAL-WL-195	Temp. Easement	PSS	0.0	0.0	0.0	-
62.8	CAL-WL-195	Temp. Easement	PSS	0.0	0.0	0.0	-
62.8	CAL-WL-196	ATWS	PFO	0.0	0.1	0.0	-
62.8	CAL-WL-196	Perm. Easement	PFO	0.0	0.1	0.1	0.1
62.8	CAL-WL-196	Temp. Easement	PFO	0.0	0.2	0.0	-
62.9	CAL-WL-197	Perm. Easement	PEM	0.0	0.0	0.0	-
62.9	CAL-WL-197	Perm. Easement	PFO	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
62.9	CAL-WL-197	Temp. Easement	PFO	0.0	0.0	0.0	-
62.9	CAL-WL-198	Perm. Easement	PFO	0.0	0.0	0.0	0.0
62.9	CAL-WL-198	Perm. Easement	PEM	0.0	0.0	0.0	-
62.9	CAL-WL-198	Temp. Easement	PEM	0.0	0.0	0.0	-
62.9	CAL-WL-198	ATWS	PFO	0.0	0.1	0.0	-
62.9	CAL-WL-198	Temp. Easement	PFO	0.0	0.2	0.0	-
63.0	CAL-WL-198	Perm. Easement	PFO	0.0	0.0	0.0	-
63.0	CAL-WL-199	ATWS	PFO	0.0	0.2	0.0	-
63.0	CAL-WL-199	Perm. Easement	PFO	0.0	0.0	0.0	0.0
63.0	CAL-WL-199	Temp. Easement	PFO	0.0	0.7	0.0	-
63.1	CAL-WL-199	Perm. Easement	PFO	146.3	0.1	0.1	0.1
63.1	CAL-WL-199	Temp. Easement	PFO	0.0	0.0	0.0	-
63.1	CAL-WL-199	Perm. Easement	PFO	10.4	0.1	0.1	0.1
63.1	CAL-WL-199	Perm. Easement	PEM	10.4	0.0	0.0	-
63.1	CAL-WL-199	Temp. Easement	PEM	0.0	0.1	0.0	-
63.1	CAL-WL-199	Perm. Easement	PEM	30.8	0.0	0.0	-
63.1	CAL-WL-199	Perm. Easement	PFO	30.8	0.0	0.0	0.0
63.1	CAL-WL-199	Temp. Easement	PEM	0.0	0.0	0.0	-
63.1	CAL-WL-199	Temp. Easement	PFO	0.0	0.0	0.0	-
63.1	CAL-WL-200	Perm. Easement	PFO	133.1	0.1	0.1	0.1
63.1	CAL-WL-200	Perm. Easement	PEM	0.0	0.0	0.0	-
63.1	CAL-WL-200	Temp. Easement	PEM	0.0	0.0	0.0	-
63.2	CAL-WL-200	Temp. Easement	PFO	0.0	0.2	0.0	-
63.2	CAL-WL-201	Perm. Easement	PFO	73.8	0.1	0.1	0.1
63.2	CAL-WL-201	Temp. Easement	PFO	0.0	0.0	0.0	-
63.2	CAL-WL-201	Temp. Easement	PEM	0.0	0.0	0.0	-
63.3	CAL-WL-202	Perm. Easement	PFO	544.9	0.4	0.4	0.4
63.3	CAL-WL-202	Temp. Easement	PFO	0.0	0.0	0.0	-
63.3	CAL-WL-202	Temp. Easement	PFO	0.0	0.6	0.0	-
63.4	CAL-WL-202	Temp. Easement	PEM	0.0	0.2	0.0	-
63.4	CAL-WL-202	Perm. Easement	PEM	0.0	0.0	0.0	-
63.5	CAL-WL-203	Perm. Easement	PFO	39.8	0.0	0.0	0.0
63.5	CAL-WL-203	Temp. Easement	PFO	0.0	0.0	0.0	-
63.5	CAL-WL-203	Perm. Easement	PEM	7.7	0.0	0.0	-
63.5	CAL-WL-203	Temp. Easement	PEM	0.0	0.0	0.0	-
63.5	CAL-WL-203	Temp. Easement	PFO	0.0	0.4	0.0	-
63.6	CAL-WL-203	Perm. Easement	PFO	7.7	0.1	0.1	0.1
63.7	CAL-WL-204	Perm. Easement	PFO	164.9	0.1	0.1	0.1
63.7	CAL-WL-204	Perm. Easement	PEM	164.9	0.0	0.0	-
63.7	CAL-WL-204	Temp. Easement	PFO	0.0	0.1	0.0	-
63.7	CAL-WL-204	Temp. Easement	PEM	0.0	0.1	0.0	-
63.8	CAL-WL-205	Access Road	PFO	0.0	0.1	0.0	-
63.8	CAL-WL-205	Temp. Easement	PEM	0.0	0.0	0.0	-
63.8	CAL-WL-205	Perm. Easement	PEM	33.2	0.0	0.0	-
63.8	CAL-WL-205	Perm. Easement	PFO	0.0	0.0	0.0	0.0
63.8	CAL-WL-205	Temp. Easement	PFO	0.0	0.2	0.0	-
63.8	CAL-WL-205	ATWS	PFO	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
63.8	CAL-WL-205	Perm. Easement	PFO	0.0	0.0	0.0	-
63.8	CAL-WL-205	Perm. Easement	PEM	37.4	0.0	0.0	-
63.8	CAL-WL-205	Temp. Easement	PEM	0.0	0.0	0.0	-
63.8	CAL-WL-205	Temp. Easement	PEM	0.0	0.0	0.0	-
63.8	CAL-WL-206	ATWS	PSS	0.0	0.1	0.0	-
63.8	CAL-WL-206	Temp. Easement	PSS	0.0	0.0	0.0	-
64.5	CAL-WL-210	Perm. Easement	PEM	10.2	0.0	0.0	-
64.5	CAL-WL-210	Temp. Easement	PEM	0.0	0.0	0.0	-
65.6	CAL-WL-214	Temp. Easement	PFO	0.0	0.0	0.0	-
65.6	CAL-WL-214	ATWS	PFO	0.0	0.0	0.0	-
65.6	CAL-WL-214	ATWS	PFO	0.0	0.0	0.0	-
65.6	CAL-WL-214	Perm. Easement	PFO	31.0	0.1	0.1	0.1
65.6	CAL-WL-214	Temp. Easement	PFO	0.0	0.1	0.0	-
65.7	CAL-WL-215	Perm. Easement	PFO	0.0	0.0	0.0	0.0
65.7	CAL-WL-215	Temp. Easement	PFO	0.0	0.0	0.0	-
65.8	CAL-WL-216	Perm. Easement	PEM	21.2	0.0	0.0	-
65.8	CAL-WL-216	Temp. Easement	PEM	0.0	0.1	0.0	-
65.8	CAL-WL-216	Temp. Easement	PEM	0.0	0.0	0.0	-
65.8	CAL-WL-216	Access Road	PEM	0.0	0.1	0.0	-
65.9	CAL-WL-217	Access Road	PEM	0.0	0.1	0.0	-
65.9	CAL-WL-217	Perm. Easement	PEM	151.6	0.1	0.1	-
65.9	CAL-WL-217	Temp. Easement	PFO	0.0	0.2	0.0	-
65.9	CAL-WL-217	Temp. Easement	PEM	0.0	0.1	0.0	-
65.9	CAL-WL-217	Perm. Easement	PFO	0.0	0.1	0.1	0.1
66.1	CAL-WL-229	Access Road	PEM	0.0	0.0	0.0	-
66.1	CAL-WL-218	ATWS	PFO	0.0	0.3	0.0	-
66.1	CAL-WL-218	Temp. Easement	PFO	0.0	0.1	0.0	-
66.1	CAL-WL-218	Temp. Easement	PEM	0.0	0.0	0.0	-
66.1	CAL-WL-218	Perm. Easement	PFO	0.0	0.0	0.0	0.0
66.1	CAL-WL-218	ATWS	PEM	0.0	0.0	0.0	-
66.1	CAL-WL-218	Perm. Easement	PEM	17.5	0.1	0.1	-
66.1	CAL-WL-218	Temp. Easement	PEM	0.0	0.1	0.0	-
66.1	CAL-WL-218	Access Road	PFO	0.0	0.0	0.0	-
66.2	CAL-WL-219	Access Road	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-219	ATWS	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-219	Perm. Easement	PEM	14.2	0.0	0.0	-
66.2	CAL-WL-219	Temp. Easement	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-219	Temp. Easement	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-224	Access Road	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-225	Access Road	PEM	0.0	0.2	0.0	-
66.2	CAL-WL-226	Access Road	PEM	0.0	0.0	0.0	-
66.2	CAL-WL-226	Access Road	PEM	0.0	0.1	0.0	-
66.2	CAL-WL-226	Access Road	PEM	0.0	0.1	0.0	-
66.2	CAL-WL-226	Access Road	PEM	0.0	0.0	0.0	-
66.4	CAL-WL-220	ATWS	PFO	0.0	0.0	0.0	-
66.4	CAL-WL-220	Temp. Easement	PFO	0.0	0.1	0.0	-
66.4	CAL-WL-220	Temp. Easement	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
66.4	CAL-WL-220	Perm. Easement	PEM	19.9	0.1	0.1	-
66.4	CAL-WL-220	Temp. Easement	PFO	0.0	0.0	0.0	-
66.4	CAL-WL-220	Temp. Easement	PEM	0.0	0.0	0.0	-
66.4	CAL-WL-220	Temp. Easement	PEM	0.0	0.0	0.0	-
66.4	CAL-WL-221	Perm. Easement	PEM	19.6	0.0	0.0	-
66.4	CAL-WL-221	Temp. Easement	PFO	0.0	0.0	0.0	-
66.4	CAL-WL-221	Temp. Easement	PEM	0.0	0.0	0.0	-
66.4	CAL-WL-221	Temp. Easement	PEM	0.0	0.0	0.0	-
66.4	CAL-WL-222	Perm. Easement	PEM	10.4	0.0	0.0	-
66.4	CAL-WL-222	Temp. Easement	PEM	0.0	0.0	0.0	-
66.5	CAL-WL-222	Temp. Easement	PFO	0.0	0.1	0.0	-
66.5	CAL-WL-222	Temp. Easement	PEM	0.0	0.0	0.0	-
67.0	CAL-WL-223	Perm. Easement	PEM	83.2	0.1	0.1	-
67.0	CAL-WL-223	Temp. Easement	PEM	0.0	0.0	0.0	-
67.1	CAL-WL-223	Temp. Easement	PFO	0.0	0.7	0.0	-
67.1	CAL-WL-223	Perm. Easement	PFO	0.0	0.2	0.2	0.2
67.5	BEA-WL-002	Perm. Easement	PEM	41.3	0.6	0.6	-
67.5	BEA-WL-002	Temp. Easement	PEM	0.0	0.0	0.0	-
67.6	BEA-WL-002	Temp. Easement	PEM	0.0	0.8	0.0	-
67.6	BEA-WL-002	Temp. Easement	PEM	0.0	0.2	0.0	-
67.6	BEA-WL-002	Temp. Easement	PEM	0.0	0.1	0.0	-
67.6	BEA-WL-002	Temp. Easement	PSS	0.0	0.2	0.0	-
67.6	BEA-WL-002	Perm. Easement	PSS	0.0	0.1	0.1	-
67.7	BEA-WL-002	Temp. Easement	PEM	0.0	0.0	0.0	-
67.7	BEA-WL-002	Perm. Easement	PEM	0.0	0.0	0.0	-
67.7	BEA-WL-002	Perm. Easement	PEM	36.0	0.0	0.0	-
67.7	BEA-WL-002	Temp. Easement	PEM	0.0	0.0	0.0	-
67.7	BEA-WL-003	Perm. Easement	PSS	0.0	0.0	0.0	-
67.7	BEA-WL-003	Temp. Easement	PSS	0.0	0.0	0.0	-
67.8	BEA-WL-004	Perm. Easement	PSS	0.0	0.0	0.0	-
67.8	BEA-WL-004	Perm. Easement	PEM	51.3	0.0	0.0	-
67.8	BEA-WL-004	Temp. Easement	PSS	0.0	0.1	0.0	-
67.8	BEA-WL-004	Temp. Easement	PEM	0.0	0.0	0.0	-
67.8	BEA-WL-004	Temp. Easement	PEM	0.0	0.0	0.0	-
67.8	BEA-WL-004	Access Road	PSS	0.0	0.0	0.0	-
68.0	BEA-WL-057	Access Road	PEM	0.0	0.0	0.0	-
68.0	BEA-WL-007	Perm. Easement	PEM	30.0	0.0	0.0	-
68.0	BEA-WL-007	Temp. Easement	PFO	0.0	0.0	0.0	-
68.0	BEA-WL-007	Perm. Easement	PEM	0.7	0.0	0.0	-
68.0	BEA-WL-007	Temp. Easement	PEM	0.0	0.0	0.0	-
68.0	BEA-WL-008	Temp. Easement	PEM	0.0	0.2	0.0	-
68.0	BEA-WL-008	Perm. Easement	PFO	0.0	0.0	0.0	0.0
68.0	BEA-WL-008	Perm. Easement	PEM	171.4	0.1	0.1	-
68.0	BEA-WL-008	Temp. Easement	PFO	0.0	0.0	0.0	-
68.0	BEA-WL-008	Perm. Easement	PFO	0.0	0.0	0.0	-
68.0	BEA-WL-008	Temp. Easement	PFO	0.0	0.0	0.0	-
68.1	BEA-WL-008	Perm. Easement	PFO	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
68.1	BEA-WL-008	Temp. Easement	PFO	0.0	0.0	0.0	-
68.1	BEA-WL-008	Perm. Easement	PEM	47.1	0.0	0.0	-
68.1	BEA-WL-008	Perm. Easement	PEM	170.7	0.1	0.1	-
68.1	BEA-WL-008	Perm. Easement	PFO	0.0	0.0	0.0	0.0
68.1	BEA-WL-008	Perm. Easement	PFO	0.0	0.1	0.1	0.1
68.2	BEA-WL-008	Temp. Easement	PFO	0.0	0.2	0.0	-
68.2	BEA-WL-008	Temp. Easement	PEM	0.0	0.1	0.0	-
68.2	BEA-WL-008	Access Road	PEM	0.0	0.0	0.0	-
68.2	BEA-WL-008	ATWS	PFO	0.0	0.1	0.0	-
68.2	BEA-WL-008	Temp. Easement	PFO	0.0	0.0	0.0	-
68.9	BEA-WL-009	Temp. Easement	PEM	0.0	0.0	0.0	-
68.9	BEA-WL-009	Perm. Easement	PEM	9.2	0.0	0.0	-
68.9	BEA-WL-010	Temp. Easement	PFO	0.0	0.2	0.0	-
68.9	BEA-WL-009	Temp. Easement	PEM	0.0	0.0	0.0	-
69.0	BEA-WL-010	Perm. Easement	PFO	0.0	0.0	0.0	0.0
69.0	BEA-WL-011	Perm. Easement	PEM	308.2	0.2	0.2	-
69.0	BEA-WL-011	Temp. Easement	PEM	0.0	0.2	0.0	-
69.1	BEA-WL-011	Temp. Easement	PEM	0.0	0.2	0.0	-
69.3	BEA-WL-012	Access Road	PSS	0.0	0.0	0.0	-
69.3	BEA-WL-012	Perm. Easement	PEM	1,062.3	0.7	0.7	-
69.3	BEA-WL-012	Temp. Easement	PSS	0.0	1.0	0.0	-
69.5	BEA-WL-012	Perm. Easement	PSS	0.0	0.2	0.2	-
69.5	BEA-WL-012	Temp. Easement	PEM	0.0	0.5	0.0	-
69.6	BEA-WL-013	Perm. Easement	PEM	774.5	0.5	0.5	-
69.6	BEA-WL-013	Perm. Easement	PFO	0.0	0.1	0.1	0.1
69.7	BEA-WL-013	Temp. Easement	PFO	0.0	0.9	0.0	-
69.7	BEA-WL-013	Temp. Easement	PEM	0.0	0.0	0.0	-
69.7	BEA-WL-013	Temp. Easement	PEM	0.0	0.4	0.0	-
69.7	BEA-WL-013	Perm. Easement	PFO	129.9	0.2	0.2	0.2
69.7	BEA-WL-013	Temp. Easement	PFO	0.0	0.1	0.0	-
69.7	BEA-WL-013	ATWS	PFO	0.0	0.1	0.0	-
69.8	BEA-WL-012	ATWS	PFO	0.0	0.1	0.0	-
69.8	BEA-WL-012	Perm. Easement	PFO	129.9	0.1	0.1	0.1
69.8	BEA-WL-012	Temp. Easement	PFO	0.0	0.1	0.0	-
69.8	BEA-WL-012	Temp. Easement	PFO	0.0	0.1	0.0	-
69.8	BEA-WL-014	ATWS	PFO	0.0	0.2	0.0	-
69.8	BEA-WL-014	Perm. Easement	PFO	208.0	0.2	0.2	0.2
69.8	BEA-WL-014	Temp. Easement	PFO	0.0	0.2	0.0	-
69.8	BEA-WL-014	Temp. Easement	PFO	0.0	0.1	0.0	-
70.1	BEA-WL-016	Perm. Easement	PEM	83.9	1.0	1.0	-
70.1	BEA-WL-015	Access Road	PEM	0.0	0.0	0.0	-
70.1	BEA-WL-016	ATWS	PEM	0.0	0.3	0.0	-
70.2	BEA-WL-016	Temp. Easement	PEM	0.0	1.2	0.0	-
70.2	BEA-WL-016	Temp. Easement	PEM	0.0	0.5	0.0	-
70.3	BEA-WL-016	Temp. Easement	PEM	0.0	0.0	0.0	-
70.3	BEA-WL-017	Temp. Easement	PEM	0.0	0.1	0.0	-
70.3	BEA-WL-017	ATWS	PEM	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
70.5	BEA-WL-018	Perm. Easement	PEM	175.6	0.3	0.3	-
70.5	BEA-WL-018	Temp. Easement	PEM	0.0	0.4	0.0	-
70.5	BEA-WL-018	Temp. Easement	PEM	0.0	0.1	0.0	-
70.5	BEA-WL-018	ATWS	PEM	0.0	0.5	0.0	-
70.6	BEA-WL-018	Temp. Easement	PEM	0.0	0.1	0.0	-
70.6	BEA-WL-019	Perm. Easement	PEM	22.2	0.0	0.0	-
70.6	BEA-WL-020	Perm. Easement	PEM	41.9	0.0	0.0	-
70.6	BEA-WL-020	Temp. Easement	PEM	0.0	0.0	0.0	-
70.6	BEA-WL-021	Temp. Easement	PEM	0.0	0.0	0.0	-
70.8	BEA-WL-022	Perm. Easement	PEM	0.0	0.0	0.0	-
70.8	BEA-WL-022	Temp. Easement	PEM	0.0	0.0	0.0	-
70.8	BEA-WL-023	Perm. Easement	PEM	0.0	0.0	0.0	-
70.8	BEA-WL-023	Perm. Easement	PEM	97.6	0.1	0.1	-
70.8	BEA-WL-023	Temp. Easement	PFO	0.0	0.1	0.0	-
70.8	BEA-WL-023	Temp. Easement	PEM	0.0	0.0	0.0	-
70.8	BEA-WL-023	Temp. Easement	PEM	0.0	0.1	0.0	-
70.8	BEA-WL-023	ATWS	PFO	0.0	0.0	0.0	-
70.8	BEA-WL-023	Perm. Easement	PFO	0.0	0.0	0.0	0.0
71.0	BEA-WL-024	Perm. Easement	PEM	43.9	0.1	0.1	-
71.0	BEA-WL-024	Temp. Easement	PEM	0.0	0.1	0.0	-
71.1	BEA-WL-024	Temp. Easement	PEM	0.0	0.0	0.0	-
71.1	BEA-WL-025	Perm. Easement	PEM	6.2	0.0	0.0	-
71.1	BEA-WL-025	Temp. Easement	PEM	0.0	0.0	0.0	-
71.1	BEA-WL-026	Perm. Easement	PEM	779.6	0.9	0.9	-
71.1	BEA-WL-025	Temp. Easement	PEM	0.0	0.0	0.0	-
71.1	BEA-WL-026	ATWS	PEM	0.0	0.2	0.0	-
71.2	BEA-WL-026	ATWS	PEM	0.0	0.2	0.0	-
71.2	BEA-WL-026	Temp. Easement	PEM	0.0	0.5	0.0	-
71.2	BEA-WL-026	Temp. Easement	PEM	0.0	0.4	0.0	-
71.7	BEA-WL-027	Perm. Easement	PEM	194.8	0.1	0.1	-
71.7	BEA-WL-027	Temp. Easement	PEM	0.0	0.1	0.0	-
71.7	BEA-WL-027	Temp. Easement	PEM	0.0	0.1	0.0	-
72.3	BEA-WL-028	Perm. Easement	PEM	458.2	0.5	0.5	-
72.3	BEA-WL-028	Temp. Easement	PEM	0.0	0.1	0.0	-
72.3	BEA-WL-028	Temp. Easement	PEM	0.0	0.1	0.0	-
72.3	BEA-WL-028	Access Road	PEM	0.0	0.0	0.0	-
72.4	BEA-WL-028	Temp. Easement	PEM	0.0	0.1	0.0	-
72.4	BEA-WL-028	Temp. Easement	PEM	0.0	0.0	0.0	-
72.4	BEA-WL-029	Perm. Easement	PEM	133.9	0.1	0.1	-
72.4	BEA-WL-029	Temp. Easement	PEM	0.0	0.1	0.0	-
72.4	BEA-WL-029	Temp. Easement	PEM	0.0	0.1	0.0	-
72.7	BEA-WL-030	Perm. Easement	PEM	12.9	0.0	0.0	-
72.7	BEA-WL-030	Temp. Easement	PEM	0.0	0.0	0.0	-
72.7	BEA-WL-030	Temp. Easement	PEM	0.0	0.0	0.0	-
72.8	BEA-WL-031	ATWS	PEM	0.0	0.0	0.0	-
72.8	BEA-WL-031	Perm. Easement	PEM	14.2	0.0	0.0	-
72.8	BEA-WL-031	Temp. Easement	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
72.8	BEA-WL-031	Temp. Easement	PEM	0.0	0.0	0.0	-
73.0	BEA-WL-032	Perm. Easement	PEM	238.9	0.3	0.3	-
73.0	BEA-WL-032	Temp. Easement	PEM	0.0	0.1	0.0	-
73.0	BEA-WL-032	Temp. Easement	PEM	0.0	0.2	0.0	-
73.2	BEA-WL-033	Perm. Easement	PFO	192.9	0.2	0.2	0.2
73.2	BEA-WL-033	Temp. Easement	PFO	0.0	0.1	0.0	-
73.2	BEA-WL-033	Temp. Easement	PFO	0.0	0.1	0.0	-
73.2	BEA-WL-033	ATWS	PFO	0.0	0.1	0.0	-
73.2	BEA-WL-034	Temp. Easement	PEM	0.0	0.1	0.0	-
73.3	BEA-WL-035	Temp. Easement	PFO	0.0	0.2	0.0	-
73.3	BEA-WL-035	Perm. Easement	PFO	995.4	1.1	1.1	1.1
73.3	BEA-WL-035	Temp. Easement	PFO	0.0	0.7	0.0	-
73.3	BEA-WL-035	ATWS	PFO	0.0	0.2	0.0	-
73.4	BEA-WL-035	Temp. Easement	PEM	0.0	0.3	0.0	-
73.7	BEA-WL-037	Perm. Easement	PFO	52.3	0.1	0.1	0.1
73.7	BEA-WL-037	Temp. Easement	PEM	0.0	0.0	0.0	-
73.7	BEA-WL-037	Temp. Easement	PFO	0.0	0.0	0.0	-
73.7	BEA-WL-037	Temp. Easement	PFO	0.0	0.1	0.0	-
73.8	BEA-WL-037	Temp. Easement	PFO	0.0	0.0	0.0	-
73.8	BEA-WL-037	Perm. Easement	PFO	36.7	0.0	0.0	0.0
73.8	BEA-WL-037	Temp. Easement	PEM	0.0	0.0	0.0	-
73.8	BEA-WL-037	Temp. Easement	PFO	0.0	0.0	0.0	-
73.9	BEA-WL-038	Perm. Easement	PFO	21.2	0.2	0.2	0.2
73.9	BEA-WL-038	Access Road	PEM	0.0	0.1	0.1	-
73.9	BEA-WL-038	Temp. Easement	PEM	0.0	0.0	0.0	-
73.9	BEA-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
74.0	BEA-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
74.0	BEA-WL-038	Temp. Easement	PFO	0.0	0.1	0.0	-
74.0	BEA-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
74.0	BEA-WL-038	Access Road	PEM	0.0	0.1	0.1	-
74.0	BEA-WL-039	Temp. Easement	PFO	0.0	0.1	0.0	-
74.0	BEA-WL-039	Perm. Easement	PFO	138.6	0.2	0.2	0.2
74.0	BEA-WL-039	Temp. Easement	PEM	0.0	0.0	0.0	-
74.0	BEA-WL-039	Temp. Easement	PFO	0.0	0.0	0.0	-
74.1	BEA-WL-040	Temp. Easement	PFO	0.0	0.0	0.0	-
74.1	BEA-WL-040	Perm. Easement	PFO	15.4	0.1	0.1	0.1
74.1	BEA-WL-040	Temp. Easement	PEM	0.0	0.0	0.0	-
74.1	BEA-WL-040	Temp. Easement	PFO	0.0	0.0	0.0	-
74.1	BEA-WL-040	Temp. Easement	PFO	0.0	0.0	0.0	-
74.1	BEA-WL-040	Temp. Easement	PFO	0.0	0.0	0.0	-
74.1	BEA-WL-041	Perm. Easement	PFO	126.1	0.2	0.2	0.2
74.1	BEA-WL-041	Temp. Easement	PFO	0.0	0.1	0.0	-
74.1	BEA-WL-041	Temp. Easement	PEM	0.0	0.0	0.0	-
74.1	BEA-WL-041	Temp. Easement	PFO	0.0	0.0	0.0	-
74.2	BEA-WL-042	Perm. Easement	PFO	188.2	0.2	0.2	0.2
74.2	BEA-WL-042	Temp. Easement	PFO	0.0	0.1	0.0	-
74.2	BEA-WL-042	Temp. Easement	PEM	0.0	0.1	0.0	-
74.2	BEA-WL-042	Temp. Easement	PFO	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
74.3	BEA-WL-042	Perm. Easement	PFO	27.3	0.0	0.0	0.0
74.3	BEA-WL-042	Temp. Easement	PFO	0.0	0.0	0.0	-
74.3	BEA-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
74.3	BEA-WL-043	Perm. Easement	PFO	246.8	0.7	0.7	0.7
74.3	BEA-WL-043	Temp. Easement	PFO	0.0	0.4	0.0	-
74.3	BEA-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
74.4	BEA-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
74.4	BEA-WL-043	Temp. Easement	PEM	0.0	0.2	0.0	-
74.4	BEA-WL-043	Perm. Easement	PFO	12.9	0.0	0.0	0.0
74.4	BEA-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
74.5	BEA-WL-047	Perm. Easement	PFO	162.4	0.2	0.2	0.2
74.5	BEA-WL-047	Temp. Easement	PFO	0.0	0.0	0.0	-
74.6	BEA-WL-047	Perm. Easement	PFO	118.2	0.2	0.2	0.2
74.6	BEA-WL-047	Temp. Easement	PEM	0.0	0.0	0.0	-
74.6	BEA-WL-047	Temp. Easement	PFO	0.0	0.0	0.0	-
74.6	BEA-WL-047	Temp. Easement	PFO	0.0	0.3	0.0	-
74.6	BEA-WL-047	Temp. Easement	PEM	0.0	0.1	0.0	-
74.6	BEA-WL-048	Access Road	PEM	0.0	0.0	0.0	-
74.7	BEA-WL-049	Access Road	PEM	0.0	0.2	0.0	-
74.8	BEA-WL-051	Perm. Easement	PSS	84.6	1.8	1.8	-
74.8	BEA-WL-051	Temp. Easement	PSS	0.0	0.2	0.0	-
74.9	BEA-WL-051	Temp. Easement	PSS	0.0	0.7	0.0	-
74.9	BEA-WL-051	Temp. Easement	PEM	0.0	0.1	0.0	-
74.9	BEA-WL-051	Temp. Easement	PSS	0.0	0.1	0.0	-
75.0	BEA-WL-051	Temp. Easement	PSS	0.0	0.3	0.0	-
75.0	BEA-WL-051	Temp. Easement	PSS	0.0	0.0	0.0	-
75.0	BEA-WL-051	Perm. Easement	PSS	0.0	0.0	0.0	-
75.0	BEA-WL-051	Temp. Easement	PSS	0.0	0.0	0.0	-
75.1	BEA-WL-051	Temp. Easement	PEM	0.0	0.1	0.0	-
75.1	BEA-WL-051	Temp. Easement	PSS	0.0	0.1	0.0	-
75.1	BEA-WL-052	Perm. Easement	PEM	42.5	0.0	0.0	-
75.1	BEA-WL-052	Temp. Easement	PEM	0.0	0.0	0.0	-
75.1	BEA-WL-052	Perm. Easement	PEM	163.9	0.1	0.1	-
75.1	BEA-WL-052	Temp. Easement	PEM	0.0	0.0	0.0	-
75.1	BEA-WL-052	Temp. Easement	PEM	0.0	0.1	0.0	-
75.2	BEA-WL-052	Temp. Easement	PEM	0.0	0.0	0.0	-
75.2	BEA-WL-052	Perm. Easement	PEM	54.4	0.1	0.1	-
76.0	BEA-WL-054	ATWS	PEM	0.0	0.0	0.0	-
76.0	BEA-WL-054	Perm. Easement	PEM	37.3	0.0	0.0	-
76.0	BEA-WL-054	Temp. Easement	PEM	0.0	0.0	0.0	-
76.0	BEA-WL-054	Temp. Easement	PEM	0.0	0.0	0.0	-
76.1	BEA-WL-054	Perm. Easement	PEM	23.9	0.0	0.0	-
76.1	BEA-WL-054	Temp. Easement	PEM	0.0	0.0	0.0	-
76.1	BEA-WL-054	ATWS	PEM	0.0	0.0	0.0	-
76.4	BEA-WL-055	Perm. Easement	PEM	15.2	0.0	0.0	-
76.4	BEA-WL-055	Temp. Easement	PEM	0.0	0.0	0.0	-
76.4	BEA-WL-055	ATWS	PEM	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
76.4	BEA-WL-055	ATWS	PEM	0.0	0.1	0.0	-
76.4	BEA-WL-055	Perm. Easement	PEM	461.5	0.5	0.5	-
76.4	BEA-WL-055	Temp. Easement	PEM	0.0	0.2	0.0	-
76.5	BEA-WL-055	Temp. Easement	PEM	0.0	0.4	0.0	-
76.5	BEA-WL-055	Perm. Easement	PSS	461.5	0.3	0.3	-
76.5	BEA-WL-055	Temp. Easement	PSS	0.0	0.0	0.0	-
76.6	BEA-WL-055	Temp. Easement	PSS	0.0	0.0	0.0	-
76.6	BEA-WL-055	ATWS	PSS	0.0	0.0	0.0	-
76.6	BEA-WL-055	Perm. Easement	PSS	267.9	0.2	0.2	-
76.6	BEA-WL-055	Temp. Easement	PSS	0.0	0.2	0.0	-
76.6	BEA-WL-055	Temp. Easement	PSS	0.0	0.2	0.0	-
76.6	BEA-WL-055	ATWS	PSS	0.0	0.1	0.0	-
78.2	ALL-WL-001	Perm. Easement	PEM	54.4	0.0	0.0	-
78.2	ALL-WL-001	Perm. Easement	PFO	0.0	0.1	0.1	0.1
78.2	ALL-WL-001	Temp. Easement	PEM	0.0	0.0	0.0	-
78.2	ALL-WL-001	Temp. Easement	PFO	0.0	0.0	0.0	-
78.4	ALL-WL-002	Perm. Easement	PFO	67.9	0.1	0.1	0.1
78.4	ALL-WL-002	Temp. Easement	PEM	0.0	0.0	0.0	-
78.4	ALL-WL-002	Perm. Easement	PEM	0.0	0.0	0.0	-
78.4	ALL-WL-002	Temp. Easement	PFO	0.0	0.1	0.0	-
78.7	ALL-WL-003	Perm. Easement	PEM	0.0	0.0	0.0	-
78.7	ALL-WL-003	Perm. Easement	PFO	213.7	0.2	0.2	0.2
78.7	ALL-WL-003	Temp. Easement	PFO	0.0	0.2	0.0	-
78.7	ALL-WL-003	Temp. Easement	PEM	0.0	0.1	0.0	-
78.7	ALL-WL-003	ATWS	PFO	0.0	0.1	0.0	-
79.4	ALL-WL-007	ATWS	PFO	0.0	0.0	0.0	-
79.4	ALL-WL-007	Temp. Easement	PFO	0.0	0.0	0.0	-
79.5	ALL-WL-007	Perm. Easement	PFO	25.7	0.0	0.0	0.0
80.6	ALL-WL-008	Perm. Easement	PSS	47.9	0.1	0.1	-
80.6	ALL-WL-008	Temp. Easement	PSS	0.0	0.0	0.0	-
80.6	ALL-WL-008	Temp. Easement	PSS	0.0	0.0	0.0	-
81.1	ALL-WL-009	Perm. Easement	PFO	11.6	0.0	0.0	0.0
81.1	ALL-WL-009	Temp. Easement	PFO	0.0	0.0	0.0	-
81.1	ALL-WL-009	Temp. Easement	PFO	0.0	0.0	0.0	-
81.1	ALL-WL-010	Perm. Easement	PFO	1278.7	1.4	1.4	1.4
81.2	ALL-WL-010	Temp. Easement	PFO	0.0	0.7	0.0	-
81.3	ALL-WL-010	ATWS	PFO	0.0	0.1	0.0	-
81.4	ALL-WL-011	Temp. Easement	PFO	0.0	0.6	0.0	-
81.4	ALL-WL-010	Temp. Easement	PFO	0.0	0.6	0.0	-
81.4	ALL-WL-011	Perm. Easement	PFO	717.6	0.8	0.8	0.8
81.5	ALL-WL-011	ATWS	PFO	0.0	0.2	0.0	-
81.5	ALL-WL-011	Temp. Easement	PEM	0.0	0.0	0.0	-
81.5	ALL-WL-012	Temp. Easement	PFO	0.0	0.1	0.0	-
81.5	ALL-WL-012	Perm. Easement	PFO	0.0	0.0	0.0	0.0
81.6	ALL-WL-013	Perm. Easement	PEM	665.6	0.3	0.3	-
81.6	ALL-WL-012	ATWS	PFO	0.0	0.2	0.0	-
81.6	ALL-WL-013	ATWS	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
81.6	ALL-WL-013	ATWS	PFO	0.0	0.1	0.0	-
81.6	ALL-WL-013	Temp. Easement	PEM	0.0	0.1	0.0	-
81.6	ALL-WL-013	Temp. Easement	PEM	0.0	0.2	0.0	-
81.6	ALL-WL-013	Perm. Easement	PFO	665.6	0.7	0.7	0.7
81.6	ALL-WL-013	Temp. Easement	PFO	0.0	0.3	0.0	-
81.7	ALL-WL-013	ATWS	PFO	0.0	0.1	0.0	-
81.7	ALL-WL-013	Temp. Easement	PFO	0.0	0.3	0.0	-
81.7	ALL-WL-014	Perm. Easement	PFO	858.9	1.0	1.0	1.0
81.7	ALL-WL-014	Temp. Easement	PFO	0.0	0.6	0.0	-
81.9	ALL-WL-014	Temp. Easement	PFO	0.0	0.4	0.0	-
82.1	ALL-WL-015	ATWS	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	ATWS	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Perm. Easement	PFO	14.4	0.0	0.0	0.0
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Perm. Easement	PFO	51.3	0.0	0.0	0.0
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Perm. Easement	PFO	17.7	0.0	0.0	0.0
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.1	0.0	-
82.1	ALL-WL-015	Perm. Easement	PFO	39.4	0.0	0.0	0.0
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Perm. Easement	PFO	86.0	0.2	0.2	0.2
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.1	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.2	ALL-WL-015	Temp. Easement	PFO	0.0	0.0	0.0	-
82.2	ALL-WL-015	Temp. Easement	PFO	0.0	0.2	0.0	-
82.2	ALL-WL-016	Perm. Easement	PFO	15.0	0.0	0.0	0.0
82.2	ALL-WL-016	Temp. Easement	PFO	0.0	0.0	0.0	-
82.2	ALL-WL-017	Perm. Easement	PFO	179.0	0.2	0.2	0.2
82.2	ALL-WL-017	Temp. Easement	PFO	0.0	0.1	0.0	-
82.2	ALL-WL-017	Temp. Easement	PFO	0.0	0.0	0.0	-
82.2	ALL-WL-017	Temp. Easement	PFO	0.0	0.0	0.0	-
82.2	ALL-WL-017	Temp. Easement	PFO	0.0	0.1	0.0	-
82.3	ALL-WL-018	Perm. Easement	PFO	26.6	0.0	0.0	0.0
82.3	ALL-WL-018	Temp. Easement	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-018	Temp. Easement	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-019	ATWS	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-019	Temp. Easement	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-020	Perm. Easement	PFO	79.9	0.1	0.1	0.1
82.3	ALL-WL-020	Temp. Easement	PFO	0.0	0.1	0.0	-
82.3	ALL-WL-020	ATWS	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-020	Temp. Easement	PFO	0.0	0.1	0.0	-
82.3	ALL-WL-020	Temp. Easement	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-021	ATWS	PFO	0.0	0.0	0.0	-
82.3	ALL-WL-022	Perm. Easement	PFO	30.1	0.0	0.0	0.0
82.3	ALL-WL-022	Temp. Easement	PFO	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
82.8	ALL-WL-023	Perm. Easement	PFO	111.3	0.1	0.1	0.1
82.8	ALL-WL-023	Temp. Easement	PFO	0.0	0.1	0.0	-
82.8	ALL-WL-023	Temp. Easement	PFO	0.0	0.0	0.0	-
84.1	ALL-WL-024	Temp. Easement	PFO	0.0	0.8	0.0	-
84.1	ALL-WL-024	Perm. Easement	PEM	0.0	0.0	0.0	-
84.1	ALL-WL-024	Perm. Easement	PFO	1,185.7	1.3	1.3	1.3
84.3	ALL-WL-024	Temp. Easement	PEM	0.0	0.6	0.0	-
84.9	ALL-WL-025	Temp. Easement	PFO	0.0	0.0	0.0	-
84.9	ALL-WL-025	Perm. Easement	PFO	57.6	0.2	0.2	0.2
84.9	ALL-WL-025	Temp. Easement	PEM	0.0	0.1	0.0	-
84.9	ALL-WL-025	Temp. Easement	PFO	0.0	0.2	0.0	-
84.9	ALL-WL-025	Perm. Easement	PEM	57.6	0.0	0.0	-
84.9	ALL-WL-025	ATWS	PFO	0.0	0.1	0.0	-
85.6	ALL-WL-026	Perm. Easement	PEM	15.4	0.2	0.2	-
85.6	ALL-WL-026	Temp. Easement	PEM	0.0	0.2	0.0	-
85.6	ALL-WL-026	Temp. Easement	PEM	0.0	0.1	0.0	-
85.6	ALL-WL-026	Temp. Easement	PFO	0.0	0.2	0.0	-
85.6	ALL-WL-026	Perm. Easement	PFO	15.4	0.3	0.3	0.3
85.6	ALL-WL-027	Temp. Easement	PEM	0.0	0.1	0.0	-
85.6	ALL-WL-027	Perm. Easement	PFO	359.9	0.4	0.4	0.4
85.6	ALL-WL-027	Perm. Easement	PEM	0.0	0.0	0.0	-
85.6	ALL-WL-027	Temp. Easement	PFO	0.0	0.3	0.0	-
85.7	ALL-WL-027	Temp. Easement	PFO	0.0	0.0	0.0	-
85.7	ALL-WL-029	Access Road	PEM	0.0	0.0	0.0	-
85.7	ALL-WL-027	Perm. Easement	PEM	0.0	0.0	0.0	-
85.7	ALL-WL-027	Temp. Easement	PEM	0.0	0.0	0.0	-
85.7	ALL-WL-028	Perm. Easement	PEM	13.9	0.0	0.0	-
85.7	ALL-WL-028	Temp. Easement	PEM	0.0	0.1	0.0	-
85.8	ALL-WL-030	ATWS	PEM	0.0	0.1	0.0	-
85.8	ALL-WL-030	ATWS	PEM	0.0	0.1	0.0	-
85.8	ALL-WL-030	Perm. Easement	PEM	521.8	0.6	0.6	-
85.8	ALL-WL-030	Temp. Easement	PEM	0.0	0.2	0.0	-
85.8	ALL-WL-030	Temp. Easement	PEM	0.0	0.3	0.0	-
85.9	ALL-WL-032	Temp. Easement	PEM	0.0	0.0	0.0	-
85.9	ALL-WL-032	Perm. Easement	PEM	18.5	0.0	0.0	-
85.9	ALL-WL-032	Temp. Easement	PEM	0.0	0.0	0.0	-
85.9	ALL-WL-033	Temp. Easement	PEM	0.0	0.1	0.0	-
85.9	ALL-WL-033	Perm. Easement	PEM	116.8	0.1	0.1	-
85.9	ALL-WL-033	Temp. Easement	PEM	0.0	0.1	0.0	-
85.9	ALL-WL-034	Perm. Easement	PEM	210.7	0.2	0.2	-
86.0	ALL-WL-034	Temp. Easement	PEM	0.0	0.1	0.0	-
86.0	ALL-WL-034	Temp. Easement	PEM	0.0	0.2	0.0	-
86.0	ALL-WL-035	Temp. Easement	PEM	0.0	0.1	0.0	-
86.0	ALL-WL-035	Perm. Easement	PEM	93.9	0.1	0.1	-
86.0	ALL-WL-035	Temp. Easement	PEM	0.0	0.0	0.0	-
86.0	ALL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
86.0	ALL-WL-036	Perm. Easement	PEM	3.0	0.3	0.3	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
86.0	ALL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
86.0	ALL-WL-036	Temp. Easement	PEM	0.0	0.1	0.0	-
86.1	ALL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
86.1	ALL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
86.1	ALL-WL-036	Temp. Easement	PEM	0.0	0.0	0.0	-
86.1	ALL-WL-036	Temp. Easement	PSS	0.0	0.2	0.0	-
86.1	ALL-WL-036	ATWS	PSS	0.0	0.0	0.0	-
86.1	ALL-WL-036	Perm. Easement	PSS	12.2	0.2	0.2	-
86.1	ALL-WL-036	Perm. Easement	PEM	0.0	0.0	0.0	-
86.1	ALL-WL-036	Temp. Easement	PEM	0.0	0.1	0.0	-
86.3	ALL-WL-037	Perm. Easement	PEM	291.0	0.4	0.4	-
86.3	ALL-WL-037	ATWS	PEM	0.0	0.3	0.0	-
86.3	ALL-WL-037	Temp. Easement	PEM	0.0	0.1	0.0	-
86.3	ALL-WL-037	Temp. Easement	PEM	0.0	0.2	0.0	-
86.4	ALL-WL-038	Perm. Easement	PFO	66.5	0.1	0.1	0.1
86.4	ALL-WL-038	Perm. Easement	PEM	0.0	0.0	0.0	-
86.4	ALL-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
86.4	ALL-WL-038	Perm. Easement	PEM	66.5	0.2	0.2	-
86.4	ALL-WL-038	Temp. Easement	PEM	0.0	0.1	0.0	-
86.5	ALL-WL-192	Access Road	PEM	0.0	0.0	0.0	-
86.5	ALL-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
86.5	ALL-WL-038	Temp. Easement	PFO	0.0	0.0	0.0	-
86.5	ALL-WL-038	Perm. Easement	PFO	0.0	0.1	0.1	0.1
86.5	ALL-WL-038	Perm. Easement	PFO	0.0	0.0	0.0	-
86.5	ALL-WL-038	Perm. Easement	PFO	0.0	0.0	0.0	0.0
86.5	ALL-WL-038	Temp. Easement	PFO	0.0	0.1	0.0	-
86.5	ALL-WL-038	Temp. Easement	PEM	0.0	0.2	0.0	-
86.5	ALL-WL-039	Perm. Easement	PFO	157.6	0.2	0.2	0.2
86.5	ALL-WL-039	Perm. Easement	PEM	0.0	0.0	0.0	-
86.5	ALL-WL-039	Temp. Easement	PEM	0.0	0.2	0.0	-
86.5	ALL-WL-039	Perm. Easement	PFO	72.2	0.1	0.1	0.1
86.5	ALL-WL-039	Perm. Easement	PEM	0.0	0.0	0.0	-
86.6	ALL-WL-039	Perm. Easement	PFO	40.3	0.0	0.0	0.0
86.6	ALL-WL-039	Perm. Easement	PEM	0.0	0.0	0.0	-
86.6	ALL-WL-039	Perm. Easement	PEM	0.0	0.0	0.0	-
86.6	ALL-WL-039	Perm. Easement	PFO	220.4	0.2	0.2	0.2
86.6	ALL-WL-039	Temp. Easement	PEM	0.0	0.1	0.0	-
86.6	ALL-WL-039	Temp. Easement	PFO	0.0	0.3	0.0	-
86.6	ALL-WL-039	Temp. Easement	PFO	0.0	0.0	0.0	-
86.6	ALL-WL-039	Temp. Easement	PFO	0.0	0.0	0.0	-
86.7	ALL-WL-040	Perm. Easement	PFO	121.4	1.3	1.3	1.3
86.7	ALL-WL-040	Perm. Easement	PEM	0.0	0.0	0.0	-
86.7	ALL-WL-040	Temp. Easement	PEM	0.0	0.5	0.0	-
86.7	ALL-WL-040	Temp. Easement	PFO	0.0	0.1	0.0	-
86.7	ALL-WL-040	Temp. Easement	PFO	0.0	0.3	0.0	-
86.7	ALL-WL-040	Temp. Easement	PFO	0.0	0.1	0.0	-
86.8	ALL-WL-191	Access Road	PEM	0.0	0.1	0.1	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
86.8	ALL-WL-040	Temp. Easement	PFO	0.0	0.3	0.0	-
86.9	ALL-WL-040	Temp. Easement	PFO	0.0	0.0	0.0	-
86.9	ALL-WL-041	Perm. Easement	PEM	18.0	0.0	0.0	-
86.9	ALL-WL-041	Temp. Easement	PEM	0.0	0.0	0.0	-
86.9	ALL-WL-043	Perm. Easement	PFO	17.9	0.0	0.0	0.0
86.9	ALL-WL-042	Temp. Easement	PFO	0.0	0.0	0.0	-
86.9	ALL-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
86.9	ALL-WL-043	Temp. Easement	PFO	0.0	0.0	0.0	-
87.1	ALL-WL-044	Perm. Easement	PFO	291.3	0.3	0.3	0.3
87.1	ALL-WL-044	Temp. Easement	PFO	0.0	0.1	0.0	-
87.1	ALL-WL-044	Access Road	PFO	0.0	0.0	0.0	0.0
87.1	ALL-WL-044	Access Road	PFO	0.0	0.2	0.2	0.2
87.1	ALL-WL-044	Access Road	PEM	0.0	0.1	0.1	-
87.1	ALL-WL-044	ATWS	PFO	0.0	0.1	0.0	-
87.1	ALL-WL-044	Temp. Easement	PFO	0.0	0.2	0.0	-
87.1	ALL-WL-044	Temp. Easement	PFO	0.0	0.1	0.0	-
87.4	ALL-WL-045	Perm. Easement	PEM	54.5	0.1	0.1	-
87.4	ALL-WL-045	ATWS	PFO	0.0	0.2	0.0	-
87.4	ALL-WL-045	Temp. Easement	PFO	0.0	0.3	0.0	-
87.5	ALL-WL-045	Perm. Easement	PFO	54.5	0.2	0.2	0.2
87.5	ALL-WL-045	Temp. Easement	PEM	0.0	0.1	0.0	-
87.5	ALL-WL-045	Temp. Easement	PEM	0.0	0.1	0.0	-
87.5	ALL-WL-045	ATWS	PEM	0.0	0.1	0.0	-
87.5	ALL-WL-045	Perm. Easement	PEM	252.9	0.2	0.2	-
87.5	ALL-WL-045	Perm. Easement	PFO	0.0	0.1	0.1	0.1
87.5	ALL-WL-045	Temp. Easement	PEM	0.0	0.1	0.0	-
87.6	ALL-WL-045	Temp. Easement	PFO	0.0	0.3	0.0	-
88.1	ALL-WL-047	Temp. Easement	PEM	0.0	0.1	0.0	-
88.1	ALL-WL-047	Perm. Easement	PEM	82.6	0.1	0.1	-
88.1	ALL-WL-047	Temp. Easement	PEM	0.0	0.0	0.0	-
88.2	ALL-WL-048	Perm. Easement	PEM	41.9	0.1	0.1	-
88.2	ALL-WL-048	Temp. Easement	PEM	0.0	0.1	0.0	-
88.2	ALL-WL-049	Perm. Easement	PFO	196.9	0.3	0.3	0.3
88.2	ALL-WL-049	Perm. Easement	PEM	196.9	0.1	0.1	-
88.2	ALL-WL-049	Temp. Easement	PFO	0.0	0.2	0.0	-
88.3	ALL-WL-049	Temp. Easement	PEM	0.0	0.5	0.0	-
88.3	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.3	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.3	ALL-WL-049	Perm. Easement	PEM	49.4	0.1	0.1	-
88.4	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.4	ALL-WL-049	Perm. Easement	PEM	9.4	0.0	0.0	-
88.4	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.4	ALL-WL-050	Temp. Easement	PFO	0.0	0.0	0.0	-
88.4	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.4	ALL-WL-049	Perm. Easement	PEM	0.0	0.0	0.0	-
88.4	ALL-WL-051	Perm. Easement	PFO	76.0	0.2	0.2	0.2
88.4	ALL-WL-051	Temp. Easement	PEM	0.0	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
88.4	ALL-WL-051	Temp. Easement	PEM	0.0	0.2	0.0	-
88.4	ALL-WL-051	Temp. Easement	PFO	0.0	0.2	0.0	-
88.5	ALL-WL-051	Perm. Easement	PFO	25.7	0.1	0.1	0.1
88.5	ALL-WL-051	Temp. Easement	PFO	0.0	0.0	0.0	-
88.5	ALL-WL-052	Perm. Easement	PFO	0.4	0.0	0.0	0.0
88.5	ALL-WL-052	Temp. Easement	PFO	0.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PFO	133.6	0.1	0.1	0.1
88.6	ALL-WL-052	Temp. Easement	PFO	0.0	0.0	0.0	-
88.6	ALL-WL-052	Temp. Easement	PFO	0.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PFO	0.0	0.0	0.0	-
88.6	ALL-WL-052	Temp. Easement	PFO	0.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PFO	79.3	0.1	0.1	0.1
88.6	ALL-WL-052	Perm. Easement	PEM	0.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PEM	17.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PEM	0.0	0.0	0.0	-
88.6	ALL-WL-052	Perm. Easement	PFO	145.7	0.2	0.2	0.2
88.6	ALL-WL-052	Temp. Easement	PEM	0.0	0.3	0.0	-
88.7	ALL-WL-052	Perm. Easement	PEM	0.0	0.0	0.0	-
88.7	ALL-WL-052	Temp. Easement	PFO	0.0	0.1	0.0	-
88.7	ALL-WL-053	Perm. Easement	PEM	15.6	1.5	1.5	-
88.7	ALL-WL-053	Temp. Easement	PEM	0.0	0.9	0.0	-
88.7	ALL-WL-052	Temp. Easement	PFO	0.0	0.0	0.0	-
88.9	ALL-WL-053	Temp. Easement	PEM	0.0	0.6	0.0	-
88.9	ALL-WL-053	Temp. Easement	PEM	0.0	0.0	0.0	-
88.9	ALL-WL-054	Perm. Easement	PEM	885.8	1.1	1.1	-
88.9	ALL-WL-054	Temp. Easement	PEM	0.0	0.2	0.0	-
89.0	ALL-WL-054	Temp. Easement	PEM	0.0	0.7	0.0	-
89.1	ALL-WL-054	Temp. Easement	PEM	0.0	0.4	0.0	-
89.1	ALL-WL-054	ATWS	PEM	0.0	0.2	0.0	-
89.1	ALL-WL-055	Perm. Easement	PEM	170.3	0.1	0.1	-
89.1	ALL-WL-055	Temp. Easement	PEM	0.0	0.1	0.0	-
89.2	ALL-WL-056	Perm. Easement	PFO	28.8	0.1	0.1	0.1
89.2	ALL-WL-056	Perm. Easement	PEM	0.0	0.0	0.0	-
89.2	ALL-WL-056	Temp. Easement	PEM	0.0	0.0	0.0	-
89.2	ALL-WL-056	Temp. Easement	PFO	0.0	0.1	0.0	-
89.3	ALL-WL-057	Perm. Easement	PEM	8.4	0.0	0.0	-
89.3	ALL-WL-057	Temp. Easement	PEM	0.0	0.0	0.0	-
89.4	ALL-WL-058	Perm. Easement	PEM	0.0	0.1	0.1	-
89.4	ALL-WL-058	Temp. Easement	PEM	0.0	0.0	0.0	-
89.4	ALL-WL-058	Temp. Easement	PEM	0.0	0.0	0.0	-
89.5	ALL-WL-060	Perm. Easement	PEM	1,401.1	1.2	1.2	-
89.5	ALL-WL-060	Temp. Easement	PEM	0.0	0.0	0.0	-
89.6	ALL-WL-060	Temp. Easement	PEM	0.0	0.0	0.0	-
89.7	ALL-WL-060	Perm. Easement	PFO	0.0	0.0	0.0	0.0
89.7	ALL-WL-060	Temp. Easement	PFO	0.0	0.3	0.0	-
89.7	ALL-WL-060	Temp. Easement	PEM	0.0	0.1	0.0	-
89.7	ALL-WL-060	Temp. Easement	PEM	0.0	0.5	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
89.7	ALL-WL-060	Temp. Easement	PEM	0.0	0.0	0.0	-
89.7	ALL-WL-060	Temp. Easement	PEM	0.0	0.1	0.0	-
89.8	ALL-WL-061	Perm. Easement	PEM	58.0	0.0	0.0	-
89.8	ALL-WL-061	Temp. Easement	PEM	0.0	0.0	0.0	-
89.8	ALL-WL-062	Perm. Easement	PFO	0.0	0.0	0.0	-
89.8	ALL-WL-062	Temp. Easement	PFO	0.0	0.1	0.0	-
90.1	ALL-WL-063	Temp. Easement	PFO	0.0	0.6	0.0	-
90.2	ALL-WL-063	Perm. Easement	PFO	0.0	0.1	0.1	0.1
90.2	ALL-WL-064	Perm. Easement	PEM	91.6	0.1	0.1	-
90.2	ALL-WL-064	Temp. Easement	PEM	0.0	0.0	0.0	-
90.3	ALL-WL-064	Perm. Easement	PFO	0.0	0.0	0.0	0.0
90.3	ALL-WL-064	Temp. Easement	PFO	0.0	0.0	0.0	-
90.4	ALL-WL-065	Perm. Easement	PEM	53.1	0.1	0.1	-
90.4	ALL-WL-065	Temp. Easement	PEM	0.0	0.0	0.0	-
90.4	ALL-WL-066	Perm. Easement	PFO	0.0	0.0	0.0	-
90.4	ALL-WL-066	Perm. Easement	PEM	219.6	0.2	0.2	-
90.5	ALL-WL-066	Temp. Easement	PFO	0.0	0.1	0.0	-
90.5	ALL-WL-066	Temp. Easement	PEM	0.0	0.1	0.0	-
90.5	ALL-WL-066	Perm. Easement	PFO	0.0	0.1	0.1	0.1
90.6	ALL-WL-067	Perm. Easement	PEM	22.5	0.0	0.0	-
90.6	ALL-WL-067	Temp. Easement	PEM	0.0	0.0	0.0	-
90.6	ALL-WL-067	Temp. Easement	PEM	0.0	0.0	0.0	-
90.6	ALL-WL-067	ATWS	PEM	0.0	0.0	0.0	-
90.6	ALL-WL-068	Perm. Easement	PEM	87.2	0.0	0.0	-
90.6	ALL-WL-068	Temp. Easement	PEM	0.0	0.1	0.0	-
90.7	ALL-WL-069	ATWS	PFO	0.0	0.1	0.0	-
90.7	ALL-WL-069	Perm. Easement	PFO	0.0	0.1	0.1	0.1
90.7	ALL-WL-069	Perm. Easement	PEM	194.8	0.1	0.1	-
90.7	ALL-WL-069	Temp. Easement	PFO	0.0	0.1	0.0	-
90.7	ALL-WL-069	Temp. Easement	PEM	0.0	0.1	0.0	-
90.7	ALL-WL-070	Perm. Easement	PFO	6.4	0.0	0.0	-
90.7	ALL-WL-070	Temp. Easement	PFO	0.0	0.0	0.0	-
90.9	ALL-WL-071	Perm. Easement	PFO	1,136.3	1.2	1.2	1.2
90.9	ALL-WL-071	Temp. Easement	PFO	0.0	0.5	0.0	-
90.9	ALL-WL-071	ATWS	PFO	0.0	0.3	0.0	-
91.0	ALL-WL-071	Temp. Easement	PFO	0.0	0.6	0.0	-
91.1	ALL-WL-072	ATWS	PFO	0.0	0.1	0.0	-
91.1	ALL-WL-071	ATWS	PFO	0.0	0.4	0.0	-
91.1	ALL-WL-071	Temp. Easement	PFO	0.0	0.1	0.0	-
91.1	ALL-WL-071	Perm. Easement	PFO	0.0	0.1	0.1	0.1
91.2	ALL-WL-073	Perm. Easement	PEM	42.3	0.0	0.0	-
91.2	ALL-WL-073	Perm. Easement	PFO	0.0	0.0	0.0	0.0
91.2	ALL-WL-073	Temp. Easement	PFO	0.0	0.0	0.0	-
91.2	ALL-WL-073	Temp. Easement	PEM	0.0	0.0	0.0	-
91.2	ALL-WL-073	Perm. Easement	PEM	659.5	0.3	0.3	-
91.2	ALL-WL-073	Temp. Easement	PFO	0.0	0.7	0.0	-
91.3	ALL-WL-073	ATWS	PFO	0.0	1.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
91.3	ALL-WL-073	Perm. Easement	PFO	659.5	0.9	0.9	0.9
91.3	ALL-WL-073	Temp. Easement	PEM	0.0	0.5	0.0	-
91.3	ALL-WL-073	Temp. Easement	PFO	0.0	0.0	0.0	-
91.4	ALL-WL-073	ATWS	PFO	0.0	0.1	0.0	-
91.4	ALL-WL-073	ATWS	PFO	0.0	0.5	0.0	-
91.4	ALL-WL-073	Perm. Easement	PFO	0.0	0.1	0.1	0.1
91.4	ALL-WL-073	Perm. Easement	PEM	659.5	0.1	0.1	-
91.5	ALL-WL-073	Perm. Easement	PEM	131.6	0.1	0.1	-
91.5	ALL-WL-073	Temp. Easement	PEM	0.0	0.0	0.0	-
91.5	ALL-WL-073	Temp. Easement	PFO	0.0	0.2	0.0	-
91.7	ALL-WL-074	Perm. Easement	PEM	148.4	0.1	0.1	-
91.7	ALL-WL-074	Perm. Easement	PFO	0.0	0.1	0.1	0.1
91.7	ALL-WL-074	Temp. Easement	PFO	0.0	0.1	0.0	-
91.7	ALL-WL-074	Temp. Easement	PEM	0.0	0.1	0.0	-
92.5	ALL-WL-075	Perm. Easement	PEM	0.0	0.0	0.0	-
92.5	ALL-WL-075	Perm. Easement	PFO	0.0	0.0	0.0	0.0
92.5	ALL-WL-075	Temp. Easement	PEM	0.0	0.1	0.0	-
92.5	ALL-WL-075	Temp. Easement	PFO	0.0	0.0	0.0	-
92.5	ALL-WL-075	Perm. Easement	PEM	66.2	0.0	0.0	-
92.7	ALL-WL-076	Perm. Easement	PEM	272.0	0.2	0.2	-
92.7	ALL-WL-076	Temp. Easement	PFO	0.0	0.2	0.0	-
92.7	ALL-WL-076	Perm. Easement	PFO	0.0	0.1	0.1	0.1
92.7	ALL-WL-076	Temp. Easement	PEM	0.0	0.1	0.0	-
92.8	ALL-WL-076	Temp. Easement	PFO	0.0	0.2	0.0	-
92.8	ALL-WL-076	Perm. Easement	PEM	191.6	0.2	0.2	-
92.8	ALL-WL-076	Perm. Easement	PFO	0.0	0.1	0.1	0.1
92.8	ALL-WL-076	Temp. Easement	PEM	0.0	0.1	0.0	-
93.0	ALL-WL-077	Perm. Easement	PEM	120.1	0.1	0.1	-
93.0	ALL-WL-077	Temp. Easement	PEM	0.0	0.1	0.0	-
93.0	ALL-WL-077	Temp. Easement	PFO	0.0	0.1	0.0	-
93.0	ALL-WL-077	Perm. Easement	PFO	0.0	0.1	0.1	0.1
93.3	ALL-WL-078	Temp. Easement	PFO	0.0	0.0	0.0	-
93.3	ALL-WL-078	ATWS	PFO	0.0	0.0	0.0	-
93.3	ALL-WL-078	ATWS	PFO	0.0	0.1	0.0	-
93.4	ALL-WL-078	Temp. Easement	PFO	0.0	0.2	0.0	-
93.7	ALL-WL-079	Perm. Easement	PFO	0.0	0.1	0.1	0.1
93.7	ALL-WL-079	Perm. Easement	PEM	95.4	0.1	0.1	-
93.7	ALL-WL-079	Temp. Easement	PEM	0.0	0.0	0.0	-
93.7	ALL-WL-079	Temp. Easement	PFO	0.0	0.1	0.0	-
93.8	ALL-WL-080	Perm. Easement	PEM	178.4	1.6	1.6	-
93.8	ALL-WL-080	Perm. Easement	PFO	0.0	0.5	0.5	0.5
93.9	ALL-WL-080	Access Road	PEM	0.0	0.1	0.1	-
93.9	ALL-WL-080	Access Road	PEM	0.0	0.2	0.2	-
93.9	ALL-WL-080	Temp. Easement	PEM	0.0	0.0	0.0	-
94.1	ALL-WL-080	Perm. Easement	PFO	178.4	2.2	2.2	2.2
94.2	ALL-WL-080	ATWS	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
94.5	ALL-WL-080	ATWS	PFO	0.0	0.7	0.0	-
94.5	ALL-WL-080	Temp. Easement	PFO	0.0	2.5	0.0	-
94.5	ALL-WL-080	Temp. Easement	PEM	0.0	1.7	0.0	-
94.7	ALL-WL-082	ATWS	PFO	0.0	0.0	0.0	-
94.8	ALL-WL-083	ATWS	PFO	0.0	0.0	0.0	-
94.9	ALL-WL-084	Perm. Easement	PFO	131.6	0.2	0.2	0.2
94.9	ALL-WL-084	Temp. Easement	PFO	0.0	0.1	0.0	-
94.9	ALL-WL-084	Temp. Easement	PFO	0.0	0.1	0.0	-
95.0	ALL-WL-085	Temp. Easement	PFO	0.0	0.0	0.0	-
95.0	ALL-WL-085	Perm. Easement	PFO	271.1	0.3	0.3	0.3
95.0	ALL-WL-085	Temp. Easement	PFO	0.0	0.1	0.0	-
95.1	ALL-WL-085	Temp. Easement	PFO	0.0	0.2	0.0	-
95.1	ALL-WL-085	Perm. Easement	PFO	257.6	0.3	0.3	0.3
95.1	ALL-WL-085	Temp. Easement	PFO	0.0	0.1	0.0	-
95.1	ALL-WL-085	Temp. Easement	PFO	0.0	0.2	0.0	-
95.3	ALL-WL-086	Temp. Easement	PFO	0.0	0.3	0.0	-
95.3	ALL-WL-086	Perm. Easement	PFO	371.3	0.4	0.4	0.4
95.4	ALL-WL-086	Temp. Easement	PFO	0.0	0.2	0.0	-
95.4	ALL-WL-086	Perm. Easement	PFO	233.6	0.4	0.4	0.4
95.4	ALL-WL-086	Temp. Easement	PFO	0.0	0.1	0.0	-
95.5	ALL-WL-086	Temp. Easement	PFO	0.0	0.1	0.0	-
95.5	ALL-WL-086	Temp. Easement	PFO	0.0	0.1	0.0	-
95.7	ALL-WL-087	Perm. Easement	PFO	24.7	0.0	0.0	0.0
95.7	ALL-WL-087	Temp. Easement	PFO	0.0	0.0	0.0	-
95.8	ALL-WL-087	Temp. Easement	PFO	0.0	0.0	0.0	-
96.0	ALL-WL-088	Perm. Easement	PFO	63.0	0.1	0.1	0.1
96.0	ALL-WL-088	Temp. Easement	PFO	0.0	0.0	0.0	-
96.0	ALL-WL-088	Perm. Easement	PFO	0.0	0.0	0.0	-
96.0	ALL-WL-088	Temp. Easement	PFO	0.0	0.1	0.0	-
96.1	ALL-WL-089	Perm. Easement	PFO	0.0	0.0	0.0	-
96.1	ALL-WL-089	Temp. Easement	PFO	0.0	0.0	0.0	-
96.1	ALL-WL-190	ATWS	PFO	0.0	0.0	0.0	-
96.2	ALL-WL-190	Perm. Easement	PFO	16.2	0.0	0.0	0.0
96.2	ALL-WL-190	Temp. Easement	PFO	0.0	0.0	0.0	-
96.2	ALL-WL-190	Interconnect	PFO	0.0	0.0	0.0	-
96.2	ALL-WL-190	Interconnect	PEM	0.0	0.0	0.0	-
96.2	ALL-WL-190	Perm. Easement	PFO	14.1	0.0	0.0	0.0
96.2	ALL-WL-190	Temp. Easement	PFO	0.0	0.0	0.0	-
96.2	ALL-WL-190	Temp. Easement	PFO	0.0	0.0	0.0	-
96.2	ALL-WL-091	Comp. Station	PFO	0.0	0.0	0.0	-
96.3	ALL-WL-091	Comp. Station	PFO	0.0	0.0	0.0	-
96.3	ALL-WL-092	Perm. Easement	PFO	259.6	0.3	0.3	0.3
96.4	ALL-WL-091	Comp. Station	PEM	0.0	0.0	0.0	-
96.4	ALL-WL-092	ATWS	PFO	0.0	0.2	0.0	-
96.4	ALL-WL-093	ATWS	PEM	0.0	0.0	0.0	-
96.4	ALL-WL-093	Perm. Easement	PEM	9.6	0.0	0.0	-
96.4	ALL-WL-092	Temp. Easement	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
96.4	ALL-WL-092	Temp. Easement	PFO	0.0	0.2	0.0	-
96.4	ALL-WL-093	Temp. Easement	PEM	0.0	0.0	0.0	-
96.4	ALL-WL-093	Temp. Easement	PEM	0.0	0.0	0.0	-
96.4	ALL-WL-094	Perm. Easement	PEM	13.0	0.0	0.0	-
96.4	ALL-WL-094	Temp. Easement	PEM	0.0	0.0	0.0	-
96.4	ALL-WL-094	Perm. Easement	PEM	32.8	0.0	0.0	-
96.4	ALL-WL-094	Temp. Easement	PEM	0.0	0.0	0.0	-
96.5	ALL-WL-096	Perm. Easement	PEM	37.1	0.0	0.0	-
96.5	ALL-WL-096	Temp. Easement	PEM	0.0	0.0	0.0	-
96.5	ALL-WL-096	ATWS	PEM	0.0	0.1	0.0	-
96.5	ALL-WL-096	Perm. Easement	PEM	27.3	0.7	0.7	-
96.5	ALL-WL-096	Temp. Easement	PEM	0.0	0.0	0.0	-
96.5	ALL-WL-096	Temp. Easement	PEM	0.0	0.3	0.0	-
96.6	ALL-WL-096	ATWS	PEM	0.0	0.4	0.0	-
96.6	ALL-WL-096	ATWS	PEM	0.0	0.1	0.0	-
96.6	ALL-WL-096	Temp. Easement	PEM	0.0	0.4	0.0	-
96.6	ALL-WL-096	ATWS	PFO	0.0	0.1	0.0	-
96.6	ALL-WL-096	Perm. Easement	PFO	27.3	0.0	0.0	0.0
96.6	ALL-WL-096	Temp. Easement	PFO	0.0	0.0	0.0	-
96.6	ALL-WL-096	Temp. Easement	PFO	0.0	0.0	0.0	-
96.8	ALL-WL-097	Temp. Easement	PFO	0.0	0.1	0.0	-
97.0	ALL-WL-098	Perm. Easement	PEM	4.0	0.0	0.0	-
97.0	ALL-WL-099	Perm. Easement	PEM	0.6	0.0	0.0	-
97.1	ALL-WL-100	ATWS	PFO	0.0	0.2	0.0	-
97.1	ALL-WL-100	Temp. Easement	PFO	0.0	0.1	0.0	-
97.1	ALL-WL-100	Perm. Easement	PFO	69.4	0.1	0.1	0.1
97.1	ALL-WL-100	Temp. Easement	PFO	0.0	0.0	0.0	-
97.1	ALL-WL-101	ATWS	PFO	0.0	0.0	0.0	-
97.1	ALL-WL-101	ATWS	PFO	0.0	0.2	0.0	-
97.1	ALL-WL-101	Perm. Easement	PFO	307.8	0.5	0.5	0.5
97.2	ALL-WL-101	Temp. Easement	PFO	0.0	0.3	0.0	-
97.2	ALL-WL-101	Temp. Easement	PFO	0.0	0.2	0.0	-
97.2	ALL-WL-101	Temp. Easement	PFO	0.0	0.0	0.0	-
97.2	ALL-WL-101	Perm. Easement	PFO	307.8	0.4	0.4	0.4
97.2	ALL-WL-101	Temp. Easement	PFO	0.0	0.2	0.0	-
97.3	ALL-WL-101	Temp. Easement	PFO	0.0	0.1	0.0	-
97.3	ALL-WL-101	Perm. Easement	PEM	307.8	0.2	0.2	-
97.3	ALL-WL-101	Temp. Easement	PEM	0.0	0.1	0.0	-
97.3	ALL-WL-101	Temp. Easement	PEM	0.0	0.1	0.0	-
97.4	ALL-WL-102	Perm. Easement	PEM	161.4	0.2	0.2	-
97.4	ALL-WL-102	Temp. Easement	PEM	0.0	0.1	0.0	-
97.4	ALL-WL-102	Temp. Easement	PEM	0.0	0.1	0.0	-
97.4	ALL-WL-103	Temp. Easement	PEM	0.0	0.5	0.0	-
97.4	ALL-WL-103	Perm. Easement	PEM	645.2	0.8	0.8	-
97.5	ALL-WL-103	Temp. Easement	PEM	0.0	0.3	0.0	-
97.7	ALL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
97.7	ALL-WL-104	Perm. Easement	PEM	153.2	0.2	0.2	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
97.7	ALL-WL-104	Temp. Easement	PEM	0.0	0.1	0.0	-
97.8	ALL-WL-105	Perm. Easement	PFO	85.1	0.1	0.1	0.1
97.8	ALL-WL-105	Temp. Easement	PFO	0.0	0.0	0.0	-
97.8	ALL-WL-105	Temp. Easement	PFO	0.0	0.0	0.0	-
97.9	ALL-WL-106	Perm. Easement	PFO	19.1	0.0	0.0	0.0
97.9	ALL-WL-106	Temp. Easement	PEM	0.0	0.0	0.0	-
97.9	ALL-WL-106	Temp. Easement	PFO	0.0	0.0	0.0	-
97.9	ALL-WL-106	Temp. Easement	PFO	0.0	0.0	0.0	-
98.2	ALL-WL-107	ATWS	PSS	0.0	0.0	0.0	-
98.2	ALL-WL-107	ATWS	PFO	0.0	0.2	0.0	-
98.2	ALL-WL-107	Perm. Easement	PFO	683.0	0.8	0.8	0.8
98.2	ALL-WL-107	Temp. Easement	PFO	0.0	0.2	0.0	-
98.3	ALL-WL-107	ATWS	PFO	0.0	0.2	0.0	-
98.4	ALL-WL-107	Temp. Easement	PEM	0.0	0.1	0.0	-
98.4	ALL-WL-107	Temp. Easement	PFO	0.0	0.5	0.0	-
98.4	ALL-WL-108	Perm. Easement	PFO	762.4	0.9	0.9	0.9
98.4	ALL-WL-108	Temp. Easement	PFO	0.0	0.1	0.0	-
98.4	ALL-WL-108	Temp. Easement	PFO	0.0	0.5	0.0	-
98.4	ALL-WL-108	ATWS	PFO	0.0	0.2	0.0	-
98.5	ALL-WL-108	Temp. Easement	PEM	0.0	0.3	0.0	-
98.5	ALL-WL-108	Perm. Easement	PFO	762.4	3.0	3.0	3.0
98.5	ALL-WL-108	Temp. Easement	PEM	0.0	0.8	0.0	-
98.6	ALL-WL-108	ATWS	PFO	0.0	0.1	0.0	-
99.0	ALL-WL-108	Temp. Easement	PFO	0.0	0.4	0.0	-
99.0	ALL-WL-108	Perm. Easement	PFO	685.5	0.8	0.8	0.8
99.0	ALL-WL-108	Temp. Easement	PFO	0.0	1.8	0.0	-
99.1	ALL-WL-108	Temp. Easement	PFO	0.0	0.4	0.0	-
99.1	ALL-WL-108	Temp. Easement	PEM	0.0	0.2	0.0	-
99.1	ALL-WL-108	Temp. Easement	PFO	0.0	0.1	0.0	-
99.4	ALL-WL-109	ATWS	PFO	0.0	0.0	0.0	-
99.4	ALL-WL-109	Perm. Easement	PFO	0.0	0.0	0.0	0.0
99.4	ALL-WL-109	Temp. Easement	PFO	0.0	0.1	0.0	-
99.5	ALL-WL-110	Perm. Easement	PFO	133.7	0.3	0.3	0.3
99.5	ALL-WL-110	Temp. Easement	PEM	0.0	0.0	0.0	-
99.5	ALL-WL-110	Temp. Easement	PFO	0.0	0.0	0.0	-
99.6	ALL-WL-110	Temp. Easement	PFO	0.0	0.5	0.0	-
99.6	ALL-WL-110	Perm. Easement	PEM	196.7	0.2	0.2	-
99.6	ALL-WL-110	Temp. Easement	PEM	0.0	0.1	0.0	-
99.7	ALL-WL-110	Temp. Easement	PEM	0.0	0.0	0.0	-
99.7	ALL-WL-110	ATWS	PFO	0.0	0.1	0.0	-
99.8	ALL-WL-111	ATWS	PFO	0.0	0.0	0.0	-
99.8	ALL-WL-112	Temp. Easement	PFO	0.0	0.0	0.0	0.0
99.9	ALL-WL-112	Perm. Easement	PFO	31.1	0.0	0.0	0.0
99.9	ALL-WL-112	Temp. Easement	PFO	0.0	0.0	0.0	-
100.1	ALL-WL-113	Temp. Easement	PFO	0.0	0.0	0.0	-
100.1	ALL-WL-113	Perm. Easement	PFO	14.4	0.0	0.0	0.0
100.1	ALL-WL-114	Perm. Easement	PEM	1,211.9	1.4	1.4	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
100.1	ALL-WL-113	Temp. Easement	PFO	0.0	0.0	0.0	-
100.1	ALL-WL-114	Temp. Easement	PEM	0.0	0.8	0.0	-
100.1	ALL-WL-114	Temp. Easement	PEM	0.0	0.6	0.0	-
100.3	ALL-WL-114	Temp. Easement	PFO	0.0	0.4	0.0	-
100.3	ALL-WL-114	Perm. Easement	PFO	1,211.9	0.3	0.3	0.3
100.3	ALL-WL-114	Temp. Easement	PFO	0.0	0.1	0.0	-
100.4	ALL-WL-114	Perm. Easement	PFO	0.0	0.0	0.0	0.0
100.4	ALL-WL-114	Perm. Easement	PFO	77.7	0.7	0.7	0.7
100.5	ALL-WL-114	Temp. Easement	PFO	0.0	0.2	0.0	-
100.5	ALL-WL-114	Perm. Easement	PEM	77.7	0.1	0.1	-
100.5	ALL-WL-114	Temp. Easement	PEM	0.0	0.0	0.0	-
100.5	ALL-WL-114	Temp. Easement	PFO	0.0	0.4	0.0	-
100.5	ALL-WL-114	Access Road	PFO	0.0	0.0	0.0	0.0
100.5	ALL-WL-114	Access Road	PEM	0.0	0.0	0.0	-
100.5	ALL-WL-114	Temp. Easement	PFO	0.0	0.1	0.0	-
100.5	ALL-WL-114	Temp. Easement	PFO	0.0	0.1	0.0	-
100.6	ALL-WL-115	Perm. Easement	PFO	109.1	0.1	0.1	0.1
100.6	ALL-WL-115	ATWS	PFO	0.0	0.1	0.0	-
100.6	ALL-WL-115	Temp. Easement	PFO	0.0	0.0	0.0	-
100.6	ALL-WL-115	Temp. Easement	PFO	0.0	0.1	0.0	-
100.7	ALL-WL-116	Perm. Easement	PFO	111.1	0.1	0.1	0.1
100.7	ALL-WL-116	ATWS	PFO	0.0	0.0	0.0	-
100.7	ALL-WL-116	Temp. Easement	PFO	0.0	0.1	0.0	-
100.7	ALL-WL-116	Temp. Easement	PFO	0.0	0.1	0.0	-
100.7	ALL-WL-117	ATWS	PFO	0.0	0.0	0.0	-
100.7	ALL-WL-117	Perm. Easement	PFO	0.0	0.0	0.0	-
100.7	ALL-WL-117	Temp. Easement	PFO	0.0	0.0	0.0	-
100.8	ALL-WL-117	Perm. Easement	PEM	0.0	0.0	0.0	-
100.8	ALL-WL-117	Temp. Easement	PEM	0.0	0.0	0.0	-
100.9	ALL-WL-118	ATWS	PFO	0.0	0.2	0.0	-
100.9	ALL-WL-118	Perm. Easement	PFO	116.1	0.1	0.1	0.1
100.9	ALL-WL-118	Temp. Easement	PFO	0.0	0.1	0.0	-
100.9	ALL-WL-118	Temp. Easement	PFO	0.0	0.1	0.0	-
101.0	ALL-WL-119	Temp. Easement	PFO	0.0	0.0	0.0	-
101.0	ALL-WL-119	Perm. Easement	PFO	17.5	0.1	0.1	0.1
101.0	ALL-WL-119	Temp. Easement	PFO	0.0	0.0	0.0	-
101.0	ALL-WL-119	Temp. Easement	PFO	0.0	0.1	0.0	-
101.1	ALL-WL-119	Perm. Easement	PFO	38.0	0.1	0.1	0.1
101.1	ALL-WL-119	Temp. Easement	PFO	0.0	0.0	0.0	-
101.1	ALL-WL-121	Temp. Easement	PFO	0.0	0.0	0.0	-
101.1	ALL-WL-121	Perm. Easement	PFO	15.0	0.0	0.0	0.0
101.1	ALL-WL-121	Perm. Easement	PFO	39.5	0.0	0.0	0.0
101.1	ALL-WL-121	Temp. Easement	PFO	0.0	0.1	0.0	-
101.3	ALL-WL-122	Perm. Easement	PSS	346.8	0.4	0.4	-
101.3	ALL-WL-122	Temp. Easement	PSS	0.0	0.0	0.0	-
101.3	ALL-WL-122	Temp. Easement	PSS	0.0	0.2	0.0	-
101.4	ALL-WL-122	Temp. Easement	PSS	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
101.8	ALL-WL-123	Access Road	PEM	0.0	0.0	0.0	-
101.8	ALL-WL-123	Access Road	PEM	0.0	0.0	0.0	-
101.8	ALL-WL-123	Access Road	PEM	0.0	0.0	0.0	-
101.8	ALL-WL-124	Perm. Easement	PEM	6.2	0.0	0.0	-
101.8	ALL-WL-124	Temp. Easement	PEM	0.0	0.0	0.0	-
101.8	ALL-WL-124	Temp. Easement	PEM	0.0	0.0	0.0	-
101.8	ALL-WL-125	Perm. Easement	PFO	83.5	0.1	0.1	0.1
101.8	ALL-WL-125	Temp. Easement	PFO	0.0	0.0	0.0	-
101.8	ALL-WL-125	Temp. Easement	PEM	0.0	0.0	0.0	-
101.9	ALL-WL-126	Temp. Easement	PFO	0.0	0.1	0.0	-
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
101.9	ALL-WL-127	Perm. Easement	PFO	119.5	0.3	0.3	0.3
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
101.9	ALL-WL-127	Perm. Easement	PEM	0.0	0.0	0.0	-
101.9	ALL-WL-127	Temp. Easement	PEM	0.0	0.1	0.0	-
101.9	ALL-WL-127	Temp. Easement	PFO	0.0	0.0	0.0	-
102.1	ALL-WL-128	Perm. Easement	PEM	13.0	0.0	0.0	-
102.1	ALL-WL-128	Temp. Easement	PEM	0.0	0.0	0.0	-
102.1	ALL-WL-128	Temp. Easement	PEM	0.0	0.0	0.0	-
102.1	ALL-WL-129	Perm. Easement	PEM	16.4	0.0	0.0	-
102.1	ALL-WL-129	Temp. Easement	PEM	0.0	0.0	0.0	-
102.1	ALL-WL-129	Temp. Easement	PEM	0.0	0.0	0.0	-
102.2	ALL-WL-130	Temp. Easement	PEM	0.0	0.1	0.0	-
102.2	ALL-WL-130	Perm. Easement	PFO	214.3	0.3	0.3	0.3
102.3	ALL-WL-130	Temp. Easement	PFO	0.0	0.2	0.0	-
102.3	ALL-WL-132	Access Road	PEM	0.0	0.1	0.0	-
102.3	ALL-WL-132	Access Road	PEM	0.0	0.1	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Perm. Easement	PEM	9.0	0.0	0.0	-
102.3	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Access Road	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Perm. Easement	PEM	7.5	0.0	0.0	-
102.3	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.3	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.6	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.6	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
102.6	ALL-WL-131	Perm. Easement	PEM	12.0	0.0	0.0	-
102.6	ALL-WL-131	Temp. Easement	PEM	0.0	0.0	0.0	-
103.1	ALL-WL-133	Perm. Easement	PFO	7.9	0.0	0.0	0.0

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
103.1	ALL-WL-133	Temp. Easement	PFO	0.0	0.0	0.0	-
103.1	ALL-WL-133	Temp. Easement	PFO	0.0	0.0	0.0	-
103.1	ALL-WL-134	Perm. Easement	PEM	4.5	0.0	0.0	-
103.1	ALL-WL-134	Temp. Easement	PEM	0.0	0.0	0.0	-
103.1	ALL-WL-134	Temp. Easement	PEM	0.0	0.0	0.0	-
103.6	ALL-WL-135	Perm. Easement	PEM	111.6	0.0	0.0	-
103.6	ALL-WL-135	Perm. Easement	PFO	111.6	0.2	0.2	0.2
103.6	ALL-WL-135	Temp. Easement	PFO	0.0	0.1	0.0	-
103.6	ALL-WL-135	Temp. Easement	PEM	0.0	0.1	0.0	-
103.9	ALL-WL-136	Perm. Easement	PSS	57.0	0.1	0.1	-
103.9	ALL-WL-136	Temp. Easement	PEM	0.0	0.0	0.0	-
103.9	ALL-WL-136	Temp. Easement	PSS	0.0	0.0	0.0	-
103.9	ALL-WL-136	Temp. Easement	PSS	0.0	0.0	0.0	-
103.9	ALL-WL-136	Temp. Easement	PEM	0.0	0.0	0.0	-
103.9	ALL-WL-136	Perm. Easement	PSS	35.2	0.1	0.1	-
103.9	ALL-WL-136	Temp. Easement	PSS	0.0	0.1	0.0	-
103.9	ALL-WL-136	Temp. Easement	PSS	0.0	0.0	0.0	-
104.0	ALL-WL-137	Perm. Easement	PFO	123.6	0.1	0.1	0.1
104.0	ALL-WL-137	Temp. Easement	PFO	0.0	0.1	0.0	-
104.0	ALL-WL-137	Temp. Easement	PFO	0.0	0.1	0.0	-
104.1	ALL-WL-138	Perm. Easement	PFO	83.9	0.1	0.1	0.1
104.1	ALL-WL-138	Temp. Easement	PFO	0.0	0.1	0.0	-
104.1	ALL-WL-138	Temp. Easement	PFO	0.0	0.0	0.0	-
104.3	ALL-WL-139	Perm. Easement	PFO	107.7	0.3	0.3	0.3
104.3	ALL-WL-139	Perm. Easement	PFO	302.5	0.0	0.0	0.0
104.3	ALL-WL-139	Temp. Easement	PFO	0.0	0.0	0.0	-
104.3	ALL-WL-139	Temp. Easement	PFO	0.0	0.0	0.0	-
104.3	ALL-WL-139	Temp. Easement	PFO	0.0	0.2	0.0	-
104.3	ALL-WL-139	ATWS	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-139	ATWS	PFO	0.0	0.2	0.0	-
104.4	ALL-WL-139	Temp. Easement	PFO	0.0	0.0	0.0	-
104.4	ALL-WL-139	Temp. Easement	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-139	ATWS	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-139	Perm. Easement	PFO	107.7	0.1	0.1	0.1
104.4	ALL-WL-139	Perm. Easement	PFO	0.0	0.0	0.0	0.0
104.4	ALL-WL-139	Temp. Easement	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-139	Temp. Easement	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-140	Perm. Easement	PFO	470.0	0.5	0.5	0.5
104.4	ALL-WL-140	ATWS	PFO	0.0	0.1	0.0	-
104.4	ALL-WL-140	Temp. Easement	PFO	0.0	0.3	0.0	-
104.5	ALL-WL-140	ATWS	PFO	0.0	0.1	0.0	-
104.5	ALL-WL-140	ATWS	PFO	0.0	0.0	0.0	-
104.5	ALL-WL-140	Temp. Easement	PFO	0.0	0.2	0.0	-
104.5	ALL-WL-141	Perm. Easement	PFO	123.8	0.1	0.1	0.1
104.5	ALL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
104.5	ALL-WL-141	Temp. Easement	PFO	0.0	0.1	0.0	-
104.5	ALL-WL-142	Temp. Easement	PFO	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
104.6	ALL-WL-142	Perm. Easement	PFO	80.5	0.2	0.2	0.2
104.6	ALL-WL-142	Temp. Easement	PFO	0.0	0.0	0.0	-
104.7	ALL-WL-143	ATWS	PFO	0.0	0.0	0.0	-
104.7	ALL-WL-143	Perm. Easement	PFO	71.9	0.1	0.1	0.1
104.7	ALL-WL-143	Temp. Easement	PFO	0.0	0.0	0.0	-
104.7	ALL-WL-143	Temp. Easement	PFO	0.0	0.1	0.0	-
104.7	ALL-WL-144	Perm. Easement	PFO	38.6	0.4	0.4	0.4
104.7	ALL-WL-144	ATWS	PFO	0.0	0.2	0.0	-
104.7	ALL-WL-144	Temp. Easement	PFO	0.0	0.1	0.0	-
104.7	ALL-WL-144	Temp. Easement	PFO	0.0	0.3	0.0	-
104.7	ALL-WL-144	ATWS	PFO	0.0	0.1	0.0	-
104.8	ALL-WL-145	Perm. Easement	PFO	143.5	0.2	0.2	0.2
104.8	ALL-WL-145	Temp. Easement	PFO	0.0	0.1	0.0	-
104.8	ALL-WL-145	ATWS	PFO	0.0	0.0	0.0	-
104.8	ALL-WL-145	Temp. Easement	PFO	0.0	0.1	0.0	-
104.9	ALL-WL-146	ATWS	PFO	0.0	0.1	0.0	-
104.9	ALL-WL-146	Temp. Easement	PFO	0.0	0.0	0.0	-
104.9	ALL-WL-147	ATWS	PFO	0.0	0.1	0.0	-
105.0	ALL-WL-147	ATWS	PFO	0.0	0.1	0.0	-
105.0	ALL-WL-147	Temp. Easement	PFO	0.0	0.1	0.0	-
105.0	ALL-WL-147	Perm. Easement	PFO	0.0	0.0	0.0	0.0
105.1	ALL-WL-148	Perm. Easement	PFO	1,051.1	1.1	1.1	1.1
105.1	ALL-WL-148	Temp. Easement	PFO	0.0	0.5	0.0	-
105.1	ALL-WL-148	ATWS	PFO	0.0	0.2	0.0	-
105.3	ALL-WL-148	Temp. Easement	PFO	0.0	0.7	0.0	-
105.8	ALL-WL-149	Temp. Easement	PFO	0.0	0.0	0.0	-
105.9	ALL-WL-149	Temp. Easement	PFO	0.0	0.0	0.0	-
106.1	ALL-WL-150	Contractor Yd	PSS	0.0	0.0	0.0	-
106.3	ALL-WL-151	Contractor Yd	PSS	0.0	0.3	0.0	-
106.8	ALL-WL-152	Perm. Easement	PFO	17.5	0.0	0.0	0.0
106.8	ALL-WL-152	Temp. Easement	PFO	0.0	0.0	0.0	-
106.8	ALL-WL-152	Temp. Easement	PFO	0.0	0.0	0.0	-
106.8	ALL-WL-154	Perm. Easement	PFO	160.3	0.2	0.2	0.2
106.8	ALL-WL-154	Temp. Easement	PFO	0.0	0.0	0.0	-
106.9	ALL-WL-154	Temp. Easement	PFO	0.0	0.1	0.0	-
106.9	ALL-WL-154	Temp. Easement	PFO	0.0	0.2	0.0	-
107.1	ALL-WL-155	ATWS	PFO	0.0	0.0	0.0	-
107.1	ALL-WL-155	Temp. Easement	PFO	0.0	0.1	0.0	-
107.5	ALL-WL-159	Access Road	PEM	0.0	0.0	0.0	-
108.2	ALL-WL-160	Perm. Easement	PSS	16.2	0.0	0.0	-
108.2	ALL-WL-160	Temp. Easement	PSS	0.0	0.0	0.0	-
108.2	ALL-WL-160	Temp. Easement	PSS	0.0	0.0	0.0	-
108.4	ALL-WL-161	Perm. Easement	PFO	220.7	0.3	0.3	0.3
108.4	ALL-WL-161	Temp. Easement	PFO	0.0	0.1	0.0	-
108.4	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
108.4	ALL-WL-161	Temp. Easement	PFO	0.0	0.6	0.0	-
108.4	ALL-WL-161	Perm. Easement	PFO	1,288.4	1.4	1.4	1.4

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
108.4	ALL-WL-161	Temp. Easement	PFO	0.0	0.2	0.0	-
108.5	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
108.6	ALL-WL-161	Temp. Easement	PFO	0.0	0.9	0.0	-
108.7	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
108.7	ALL-WL-161	Perm. Easement	PFO	755.3	0.9	0.9	0.9
108.7	ALL-WL-161	Temp. Easement	PFO	0.0	0.4	0.0	-
108.7	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
108.8	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
108.8	ALL-WL-161	Temp. Easement	PFO	0.0	0.5	0.0	-
108.8	ALL-WL-161	Perm. Easement	PFO	1,145.7	1.3	1.3	1.3
108.8	ALL-WL-161	Temp. Easement	PFO	0.0	0.5	0.0	-
108.8	ALL-WL-161	Temp. Easement	PFO	0.0	0.5	0.0	-
108.8	ALL-WL-161	ATWS	PFO	0.0	0.2	0.0	-
109.0	ALL-WL-161	Temp. Easement	PFO	0.0	0.2	0.0	-
109.1	ALL-WL-162	Perm. Easement	PFO	17.1	0.0	0.0	0.0
109.1	ALL-WL-162	Temp. Easement	PFO	0.0	0.0	0.0	-
109.1	ALL-WL-162	Temp. Easement	PFO	0.0	0.0	0.0	-
109.5	ALL-WL-163	Perm. Easement	PFO	349.8	0.3	0.3	0.3
109.5	ALL-WL-163	Temp. Easement	PFO	0.0	0.1	0.0	-
109.6	ALL-WL-163	Temp. Easement	PFO	0.0	0.0	0.0	-
109.6	ALL-WL-163	Temp. Easement	PFO	0.0	0.2	0.0	-
109.6	ALL-WL-164	Perm. Easement	PFO	36.8	0.0	0.0	0.0
109.6	ALL-WL-164	Temp. Easement	PFO	0.0	0.0	0.0	-
109.6	ALL-WL-164	Temp. Easement	PFO	0.0	0.0	0.0	-
109.6	ALL-WL-165	Temp. Easement	PFO	0.0	0.0	0.0	-
109.7	ALL-WL-165	ATWS	PFO	0.0	0.0	0.0	-
109.7	ALL-WL-165	Perm. Easement	PFO	19.7	0.1	0.1	0.1
109.7	ALL-WL-165	Temp. Easement	PFO	0.0	0.0	0.0	-
109.7	ALL-WL-165	Temp. Easement	PFO	0.0	0.0	0.0	-
109.7	ALL-WL-166	Perm. Easement	PFO	114.1	0.1	0.1	0.1
109.7	ALL-WL-166	Temp. Easement	PFO	0.0	0.1	0.0	-
109.7	ALL-WL-166	Temp. Easement	PFO	0.0	0.1	0.0	-
109.7	ALL-WL-166	ATWS	PFO	0.0	0.1	0.0	-
109.8	ALL-WL-168	Perm. Easement	PEM	21.6	0.0	0.0	-
109.8	ALL-WL-168	Temp. Easement	PEM	0.0	0.0	0.0	-
109.8	ALL-WL-169	ATWS	PFO	0.0	0.1	0.0	-
109.8	ALL-WL-169	Temp. Easement	PEM	0.0	0.0	0.0	-
109.8	ALL-WL-169	Perm. Easement	PEM	30.2	0.0	0.0	-
109.8	ALL-WL-169	Temp. Easement	PEM	0.0	0.0	0.0	-
109.8	ALL-WL-169	Temp. Easement	PFO	0.0	0.0	0.0	-
109.8	ALL-WL-169	ATWS	PFO	0.0	0.0	0.0	-
109.8	ALL-WL-169	Perm. Easement	PFO	204.4	0.1	0.1	0.1
109.8	ALL-WL-169	Temp. Easement	PFO	0.0	0.1	0.0	-
109.9	ALL-WL-169	ATWS	PFO	0.0	0.0	0.0	-
109.9	ALL-WL-170	ATWS	PFO	0.0	0.2	0.0	-
109.9	ALL-WL-170	Temp. Easement	PFO	0.0	0.0	0.0	-
110.1	EVA-WL-001	Perm. Easement	PFO	61.2	0.1	0.1	0.1

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
110.1	EVA-WL-001	Temp. Easement	PFO	0.0	0.0	0.0	-
110.1	EVA-WL-001	Temp. Easement	PFO	0.0	0.1	0.0	-
110.3	EVA-WL-003	ATWS	PFO	0.0	0.0	0.0	-
110.3	EVA-WL-003	Temp. Easement	PFO	0.0	0.1	0.0	-
110.3	EVA-WL-002	Perm. Easement	PFO	38.9	0.0	0.0	0.0
110.3	EVA-WL-003	Perm. Easement	PFO	11.1	0.0	0.0	0.0
110.3	EVA-WL-002	Temp. Easement	PFO	0.0	0.0	0.0	-
110.3	EVA-WL-003	Temp. Easement	PFO	0.0	0.0	0.0	-
110.6	EVA-WL-005	ATWS	PSS	0.0	0.0	0.0	-
110.6	EVA-WL-005	Temp. Easement	PSS	0.0	0.0	0.0	-
111.9	EVA-WL-006	ATWS	PFO	0.0	0.0	0.0	-
111.9	EVA-WL-006	Perm. Easement	PFO	44.5	0.1	0.1	0.1
111.9	EVA-WL-006	Temp. Easement	PFO	0.0	0.0	0.0	-
111.9	EVA-WL-006	Temp. Easement	PFO	0.0	0.0	0.0	-
111.9	EVA-WL-007	Perm. Easement	PEM	1,290.7	1.5	1.5	-
111.9	EVA-WL-007	Temp. Easement	PEM	0.0	0.6	0.0	-
112.1	EVA-WL-007	ATWS	PEM	0.0	0.2	0.0	-
112.2	EVA-WL-007	Temp. Easement	PEM	0.0	0.9	0.0	-
112.7	EVA-WL-008	Temp. Easement	PEM	0.0	0.0	0.0	-
112.7	EVA-WL-009	Temp. Easement	PEM	0.0	0.0	0.0	-
115.2	EVA-WL-010	Perm. Easement	PEM	18.1	0.1	0.1	-
115.2	EVA-WL-010	Temp. Easement	PEM	0.0	0.0	0.0	-
115.2	EVA-WL-010	Temp. Easement	PEM	0.0	0.2	0.0	-
115.3	EVA-WL-010	Perm. Easement	PEM	0.0	0.0	0.0	-
115.3	EVA-WL-010	Temp. Easement	PEM	0.0	0.0	0.0	-
115.3	EVA-WL-010	Access Road	PEM	0.0	0.1	0.1	-
115.3	EVA-WL-011	Access Road	PEM	0.0	0.0	0.0	-
115.3	EVA-WL-010	Temp. Easement	PEM	0.0	0.0	0.0	-
115.5	EVA-WL-012	Perm. Easement	PEM	57.7	0.1	0.1	-
115.5	EVA-WL-012	Temp. Easement	PEM	0.0	0.0	0.0	-
115.5	EVA-WL-012	Temp. Easement	PEM	0.0	0.0	0.0	-
115.5	EVA-WL-013	Perm. Easement	PEM	400.3	0.3	0.3	-
115.5	EVA-WL-013	Temp. Easement	PEM	0.0	0.0	0.0	-
115.5	EVA-WL-013	Temp. Easement	PEM	0.0	0.3	0.0	-
115.6	EVA-WL-013	Perm. Easement	PEM	145.6	0.2	0.2	-
115.6	EVA-WL-014	ATWS	PEM	0.0	0.0	0.0	-
115.6	EVA-WL-013	Temp. Easement	PEM	0.0	0.0	0.0	-
115.6	EVA-WL-013	Perm. Easement	PEM	69.1	0.1	0.1	-
115.6	EVA-WL-013	Temp. Easement	PEM	0.0	0.1	0.0	-
117.9	EVA-WL-015	Perm. Easement	PEM	0.0	0.0	0.0	-
117.9	EVA-WL-015	Temp. Easement	PEM	0.0	0.0	0.0	-
118.0	EVA-WL-016	Perm. Easement	PEM	59.9	0.1	0.1	-
118.0	EVA-WL-016	Temp. Easement	PEM	0.0	0.0	0.0	-
118.0	EVA-WL-016	ATWS	PEM	0.0	0.0	0.0	-
118.0	EVA-WL-016	Temp. Easement	PEM	0.0	0.1	0.0	-
118.0	EVA-WL-017	Perm. Easement	PEM	0.0	0.0	0.0	-
118.0	EVA-WL-017	Perm. Easement	PEM	103.7	0.0	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
118.1	EVA-WL-017	Temp. Easement	PEM	0.0	0.2	0.0	-
118.1	EVA-WL-017	Perm. Easement	PEM	0.0	0.0	0.0	-
118.1	EVA-WL-018	Perm. Easement	PFO	0.0	0.0	0.0	-
118.1	EVA-WL-018	Temp. Easement	PFO	0.0	0.0	0.0	-
118.1	EVA-WL-018	Perm. Easement	PEM	416.5	0.3	0.3	-
118.1	EVA-WL-018	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.1	EVA-WL-018	Temp. Easement	PFO	0.0	0.0	0.0	-
118.2	EVA-WL-018	Temp. Easement	PEM	0.0	0.2	0.0	-
118.2	EVA-WL-018	Temp. Easement	PFO	0.0	0.1	0.0	-
118.2	EVA-WL-018	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.2	EVA-WL-019	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.2	EVA-WL-019	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.2	EVA-WL-019	Temp. Easement	PFO	0.0	0.0	0.0	-
118.3	EVA-WL-020	Perm. Easement	PEM	0.0	0.0	0.0	-
118.3	EVA-WL-020	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.3	EVA-WL-020	Temp. Easement	PFO	0.0	0.0	0.0	-
118.3	EVA-WL-021	Temp. Easement	PEM	0.0	0.0	0.0	-
118.3	EVA-WL-022	Temp. Easement	PFO	0.0	0.0	0.0	-
118.3	EVA-WL-022	ATWS	PFO	0.0	0.0	0.0	-
118.3	EVA-WL-022	ATWS	PFO	0.0	0.0	0.0	-
118.3	EVA-WL-022	Temp. Easement	PFO	0.0	0.0	0.0	-
118.4	EVA-WL-023	Perm. Easement	PEM	183.3	0.1	0.1	-
118.4	EVA-WL-023	Perm. Easement	PFO	0.0	0.1	0.1	0.1
118.4	EVA-WL-023	Temp. Easement	PFO	0.0	0.1	0.0	-
118.4	EVA-WL-023	ATWS	PFO	0.0	0.0	0.0	-
118.4	EVA-WL-023	Perm. Easement	PFO	0.0	0.0	0.0	0.0
118.4	EVA-WL-023	Temp. Easement	PFO	0.0	0.0	0.0	-
118.4	EVA-WL-023	Temp. Easement	PEM	0.0	0.1	0.0	-
118.8	EVA-WL-024	ATWS	PFO	0.0	0.0	0.0	-
118.8	EVA-WL-024	Perm. Easement	PFO	876.2	1.0	1.0	1.0
118.8	EVA-WL-024	ATWS	PFO	0.0	0.1	0.0	-
118.9	EVA-WL-024	Temp. Easement	PFO	0.0	0.6	0.0	-
118.9	EVA-WL-024	Temp. Easement	PFO	0.0	0.4	0.0	-
118.9	EVA-WL-024	ATWS	PFO	0.0	1.0	0.0	-
119.2	STL-WL-001	ATWS	PFO	0.0	0.7	0.0	-
119.2	STL-WL-001	Perm. Easement	PFO	672.0	0.8	0.8	0.8
119.2	STL-WL-001	Temp. Easement	PFO	0.0	0.4	0.0	-
119.3	STL-WL-001	Temp. Easement	PFO	0.0	0.0	0.0	-
119.3	STL-WL-001	Temp. Easement	PFO	0.0	0.3	0.0	-
119.6	STL-WL-002	Temp. Easement	PFO	0.0	0.1	0.0	-
119.6	STL-WL-002	Perm. Easement	PFO	94.5	0.1	0.1	0.1
119.6	STL-WL-002	Temp. Easement	PFO	0.0	0.0	0.0	-
119.7	STL-WL-003	Perm. Easement	PFO	29.2	0.1	0.1	0.1
119.7	STL-WL-003	Temp. Easement	PFO	0.0	0.0	0.0	-
119.7	STL-WL-003	Temp. Easement	PFO	0.0	0.0	0.0	-
119.8	STL-WL-004	Perm. Easement	PFO	43.5	0.0	0.0	0.0
119.8	STL-WL-004	Temp. Easement	PFO	0.0	0.1	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
119.8	STL-WL-004	Temp. Easement	PFO	0.0	0.0	0.0	-
119.8	STL-WL-004	Perm. Easement	PFO	0.0	0.0	0.0	-
120.7	STL-WL-005	Perm. Easement	PFO	0.0	0.0	0.0	0.0
120.7	STL-WL-005	Temp. Easement	PFO	0.0	0.0	0.0	-
120.7	STL-WL-006	Perm. Easement	PFO	11.0	0.0	0.0	0.0
120.7	STL-WL-006	Temp. Easement	PFO	0.0	0.0	0.0	-
120.7	STL-WL-007	Perm. Easement	PFO	0.0	0.0	0.0	0.0
120.7	STL-WL-007	Temp. Easement	PFO	0.0	0.1	0.0	-
120.7	STL-WL-007	ATWS	PFO	0.0	0.0	0.0	-
120.8	STL-WL-008	Perm. Easement	PEM	60.0	0.1	0.1	-
120.8	STL-WL-008	Temp. Easement	PEM	0.0	0.0	0.0	-
120.8	STL-WL-008	Temp. Easement	PEM	0.0	0.0	0.0	-
120.9	STL-WL-009	ATWS	PEM	0.0	0.0	0.0	-
120.9	STL-WL-009	Perm. Easement	PEM	9.2	0.0	0.0	-
120.9	STL-WL-009	Temp. Easement	PEM	0.0	0.0	0.0	-
120.9	STL-WL-009	Temp. Easement	PEM	0.0	0.0	0.0	-
123.0	STL-WL-010	Perm. Easement	PEM	1,797.0	2.1	2.1	-
123.4	STL-WL-010	Access Road	PEM	0.0	0.0	0.0	-
123.4	STL-WL-010	ATWS	PEM	0.0	0.2	0.0	-
123.4	STL-WL-010	Temp. Easement	PEM	0.0	1.2	0.0	-
123.4	STL-WL-010	Temp. Easement	PEM	0.0	0.8	0.0	-
125.3	STL-WL-011	Perm. Easement	PEM	442.3	0.4	0.4	-
125.3	STL-WL-011	Temp. Easement	PEM	0.0	0.1	0.0	-
125.3	STL-WL-011	Temp. Easement	PEM	0.0	0.1	0.0	-
127.2	STL-WL-012	Perm. Easement	PFO	1,745.8	0.2	0.2	0.2
127.2	STL-WL-012	Temp. Easement	PFO	0.0	0.0	0.0	-
127.2	STL-WL-012	Temp. Easement	PFO	0.0	0.3	0.0	-
127.2	STL-WL-013	Perm. Easement	PEM	1,745.8	1.9	1.9	-
127.3	STL-WL-013	ATWS	PEM	0.0	0.2	0.0	-
127.5	STL-WL-013	Temp. Easement	PEM	0.0	1.0	0.0	-
127.5	STL-WL-013	ATWS	PEM	0.0	0.4	0.0	-
127.5	STL-WL-013	Temp. Easement	PEM	0.0	0.8	0.0	-
127.5	STL-WL-014	Perm. Easement	PEM	934.6	1.1	1.1	-
127.5	STL-WL-014	Temp. Easement	PEM	0.0	0.4	0.0	-
127.6	STL-WL-014	Temp. Easement	PEM	0.0	0.6	0.0	-
127.6	STL-WL-014	ATWS	PEM	0.0	0.5	0.0	-
127.7	STL-WL-015	Perm. Easement	PEM	609.7	0.7	0.7	-
127.7	STL-WL-015	Temp. Easement	PEM	0.0	0.3	0.0	-
127.8	STL-WL-015	Temp. Easement	PEM	0.0	0.4	0.0	-
127.8	STL-WL-016	Perm. Easement	PEM	393.3	0.5	0.5	-
127.9	STL-WL-016	Temp. Easement	PEM	0.0	0.3	0.0	-
127.9	STL-WL-016	Temp. Easement	PEM	0.0	0.2	0.0	-
127.9	STL-WL-017	Perm. Easement	PEM	722.0	0.8	0.8	-
127.9	STL-WL-017	Temp. Easement	PEM	0.0	0.3	0.0	-
128.0	STL-WL-017	Temp. Easement	PEM	0.0	0.5	0.0	-
128.0	STL-WL-018	Perm. Easement	PEM	516.6	0.7	0.7	-
128.0	STL-WL-018	Temp. Easement	PEM	0.0	0.2	0.0	-

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
128.1	STL-WL-018	ATWS	PEM	0.0	0.5	0.0	-
128.2	STL-WL-018	Temp. Easement	PEM	0.0	0.5	0.0	-
128.2	STL-WL-019	Perm. Easement	PEM	420.1	2.1	2.1	-
128.3	STL-WL-019	ATWS	PEM	0.0	0.2	0.0	-
128.5	STL-WL-019	Temp. Easement	PEM	0.0	1.2	0.0	-
128.5	STL-WL-020	Perm. Easement	PFO	420.1	0.5	0.5	0.5
128.5	STL-WL-019	Temp. Easement	PEM	0.0	1.5	0.0	-
128.6	STL-WL-020	Temp. Easement	PFO	0.0	0.1	0.0	-
128.6	STL-WL-022	Perm. Easement	PSS	420.1	1.5	1.5	-
128.6	STL-WL-020	Temp. Easement	PFO	0.0	0.4	0.0	-
128.7	STL-WL-022	Temp. Easement	PSS	0.0	0.0	0.0	-
128.7	STL-WL-022	Temp. Easement	PSS	0.0	0.0	0.0	-
128.7	STL-WL-019	Perm. Easement	PEM	0.0	0.1	0.1	-
128.8	STL-WL-022	ATWS	PSS	0.0	0.6	0.0	-
128.8	STL-WL-022	Temp. Easement	PSS	0.0	0.7	0.0	-
128.9	STL-WL-022	Temp. Easement	PSS	0.0	0.3	0.0	-
128.9	STL-WL-023	Perm. Easement	PSS	624.1	0.7	0.7	-
129.0	STL-WL-023	ATWS	PSS	0.0	0.1	0.0	-
129.0	STL-WL-023	Temp. Easement	PEM	0.0	0.1	0.0	-
129.0	STL-WL-023	Temp. Easement	PSS	0.0	0.4	0.0	-
129.0	STL-WL-023	Temp. Easement	PSS	0.0	0.2	0.0	-
129.0	STL-WL-024	ATWS	PSS	0.0	0.1	0.0	-
129.1	STL-WL-024	Perm. Easement	PSS	48.5	0.1	0.1	-
129.1	STL-WL-024	Temp. Easement	PEM	0.0	0.0	0.0	-
129.1	STL-WL-024	Temp. Easement	PSS	0.0	0.1	0.0	-
129.1	STL-WL-024	Temp. Easement	PSS	0.0	0.0	0.0	-
129.1	STL-WL-025	Perm. Easement	PSS	897.7	1.0	1.0	-
129.1	STL-WL-025	ATWS	PSS	0.0	0.2	0.0	-
129.2	STL-WL-025	Temp. Easement	PSS	0.0	0.6	0.0	-
129.2	STL-WL-025	Temp. Easement	PSS	0.0	0.1	0.0	-
129.2	STL-WL-025	Perm. Easement	PFO	897.7	0.6	0.6	0.6
129.3	STL-WL-025	Temp. Easement	PEM	0.0	0.5	0.0	-
129.3	STL-WL-025	Temp. Easement	PFO	0.0	0.4	0.0	-
129.3	STL-WL-025	Temp. Easement	PFO	0.0	0.0	0.0	-
129.7	STL-WL-026	Temp. Easement	PEM	0.0	0.1	0.0	-
129.7	STL-WL-027	Perm. Easement	PEM	958.0	1.1	1.1	-
129.7	STL-WL-027	Temp. Easement	PEM	0.0	0.4	0.0	-
129.7	STL-WL-026	ATWS	PEM	0.0	0.1	0.0	-
129.8	STL-WL-027	ATWS	PEM	0.0	0.1	0.0	-
129.9	STL-WL-027	Temp. Easement	PEM	0.0	0.5	0.0	-
129.9	STL-WL-027	Perm. Easement	PEM	975.4	1.1	1.1	-
129.9	STL-WL-027	Temp. Easement	PEM	0.0	0.4	0.0	-
129.9	STL-WL-027	ATWS	PEM	0.0	0.2	0.0	-
130.1	STL-WL-027	ATWS	PEM	0.0	0.2	0.0	-
130.1	STL-WL-027	Temp. Easement	PEM	0.0	0.6	0.0	-
130.3	STL-WL-028	Temp. Easement	PEM	0.0	0.0	0.0	-
Total Project				188,074.4	636.2	244.1	68.6

APPENDIX K.2 (cont'd)

Wetlands Affected by the Louisiana Connector Project

Milepost	Wetland ID	Site Type	Wetland Type ^a	Length Crossed (feet)	Construction (acres)	Operation (acres)	PFO Conversion (acres) ^b
			EEM	47,457.1	143.8	50.4	0.0
			PEM	79,673.2	283.6	110.2	0.0
			PSS	9,154.2	36.3	14.8	0.0
			PFO	51,789.9	172.5	68.6	68.6
		Pipeline Total		188,074.4	611.8	232.3	68.0
			EEM	47,457.1	138.6	49.2	0.0
			PEM	79,673.2	265.8	100.4	0.0
			PSS	9,154.2	35.7	14.8	0.0
			PFO	51,789.9	171.8	68.0	68.0
		Compressor Station Interconnect Total			0.0	0.0	0.0
			PEM	0.0	0.0	0.0	0.0
			PFO	0.0	0.0	0.0	0.0
		Access Roads Total			21.1	11.7	0.6
			EEM	0.0	5.2	1.2	0.0
			PEM	0.0	14.9	9.8	0.0
			PSS	0.0	0.3	0.0	0.0
			PFO	0.0	0.8	0.6	0.6
		Contractor Yards Total			3.3	0.0	0.0
			EEM	0.0	0.0	0.0	0.0
			PEM	0.0	2.9	0.0	0.0
			PSS	0.0	0.3	0.0	0.0
			PFO	0.0	0.0	0.0	0.0

^a Key:
 PEM – Palustrine Emergent
 PSS – Palustrine Scrub Shrub
 PFO – Palustrine Forested
 PUB – Palustrine Unconsolidated Bottom
 EEM – Estuarine Emergent
 ESS – Estuarine Scrub-Shrub

^b PFO Conversion (Acres) - Acres of forested wetland that will be convert to PEM or PSS within the permanent easement.

APPENDIX L

TEXAS CONNECTOR AND LOUISIANA CONNECTOR PROJECTS COLLOCATION WITH EXISTING UTILITY RIGHTS-OF-WAY

**TEXAS CONNECTOR PROJECT COLLOCATION
WITH EXISTING UTILITY RIGHTS-OF-WAY**

APPENDIX L.1

Texas Connector Project Collocation with Existing Utility Rights-of-Way

Utility Name	Begin Milepost ^a	End Milepost ^a	Total Collocation Length (miles) ^b
Northern Pipeline			
Golden Pass Pipeline, LLC	7.7	7.9	0.3
Golden Pass Pipeline, LLC	8.9	18.9	10.0
Buckeye Development & Logistics I, LLC	11.1	11.2	<0.1
US Department of Energy	11.4	11.8	0.4
DCP NGL Operating, LLC	15.6	16.2	0.6
Centana Interstate Pipeline, LLC	15.6	16.2	0.6
Independent Refining Corp	17.2	17.3	0.1
Shell Pipeline Company, LP	17.4	17.5	0.1
Enterprise Products Operating LP	17.4	17.5	0.1
Shell Pipeline Company, LP	17.7	17.8	0.1
Denbury Green Pipeline-Texas, LLC	18.0	18.1	<0.1
BP Pipelines (North America), Inc.	18.1	18.2	0.1
Independent Refining Corp	18.2	18.3	0.1
Enterprise Products Operating LLC	18.2	18.7	0.5
Enterprise Products Operating LLC	18.2	18.7	0.4
Sunoco Pipeline, LP	18.4	18.7	0.3
Centana Intrastate Pipeline, LLC	18.4	18.5	0.1
Texas Eastern Transmission, LP	18.4	18.5	<0.1
Enterprise Products Operating LLC	18.5	18.7	0.2
Enterprise Products Operating LP	19.0	19.2	0.2
Mobil Vanderbilt-Beaumont P/L Co	20.8	20.9	0.2
Golden Triangle Storage, Inc.	20.9	22.9	2.0
Golden Triangle Storage, Inc.	20.9	22.9	2.0
Denbury Green Pipeline-Texas, LLC	22.9	23.6	0.8
Denbury Green Pipeline-Texas, LLC	24.5	25.2	0.7
Golden Triangle Storage, Inc.	24.6	25.5	0.9
Golden Triangle Storage, Inc.	25.0	25.5	0.5
Houston Pipe Line Company, LP	25.1	25.2	<0.1
Houston Pipe Line Company, LP	25.1	25.2	<0.1
Northern Segment Subtotal			21.4
Southern Segment			
Cheniere Midstream Services, LLC	2.8	3.1	0.3
Southern Segment Subtotal			0.3
FGT Lateral			
Chevron Corporation	0.0	0.9	0.9
UNKNOWN	0.0	1.6	1.6
GTS Lateral			
ExxonMobil Corporation	0.1	0.6	0.5
Golden Triangle Storage, Inc.	0.2	0.6	0.4
Golden Triangle Storage, Inc.	0.2	0.6	0.4
Centana Intrastate Pipeline, LLC	0.2	0.7	0.5
Sunoco Pipeline, LP	0.4	0.6	0.2
Golden Triangle Storage, Inc.	0.9	1.3	0.4
Golden Triangle Storage, Inc.	0.9	1.3	0.4

APPENDIX L.1 (cont'd)

Texas Connector Project Collocation with Existing Utility Rights-of-Way

Utility Name	Begin Milepost ^a	End Milepost ^a	Total Collocation Length (miles) ^b
KMLP Lateral			
Cheniere Creole Trail Pipeline, L.P.	0.1	0.1	0.1
NGPL Lateral			
Centana Intrastate Pipeline, LLC	<0.1	0.1	0.1
Cheniere Midstream Services, LLC	0.1	0.2	0.1
Laterals Subtotal			5.4
Texas Connector Project Collocation with Existing Rights-of-Way Total			27.1
^a Approximate mileposts along the pipeline rounded to the nearest tenths. ^b Collocation lengths have not been adjusted to reflect areas where multiple utility rights-of-way are shared. See section 2.1.2 for details on pipeline and lateral collocation totals. Note: Addends may not sum due to rounding.			

LOUISIANA CONNECTOR PROJECT
COLLOCATION WITH EXISTING UTILITY RIGHTS-
OF-WAY

APPENDIX L.2

Louisiana Connector Project Collocation with Existing Utility Rights-of-Way

Utility Name/Owner	Begin Milepost ^a	End Milepost ^a	Total Collocation Length (miles)
Transco	18.7	21.1	2.5
Praxair, Enterprise, ExxonMobil	23.5	24.2	0.8
Enterprise, Praxair, ExxonMobil	24.2	25.7	1.5
Praxair, ExxonMobil, Equistar	25.7	26.4	0.7
Equistar	26.4	27.0	0.6
Enterprise (2), Shell, Explorer, Cypress, Entergy Powerline	28.8	29.3	0.5
Enterprise (2), Shell, Explorer, Cypress, Entergy Powerline, Sabine, Colonial, Shell, Colonial, Chevron, PPG	29.3	30.0	0.7
Enterprise (2), Shell, Explorer, Cypress, Entergy Powerline, Sabine, Colonial, Shell, Colonial, Chevron, PPG	30.0	33.7	3.8
KMLP, Cypress, Enterprise (2), Shell, Explorer, Colonial (2)	33.7	34.5	0.7
KMLP, Cypress, Enterprise (2), Equistar, Explorer, Shell, Colonial (2)	34.5	36.6	2.2
KMLP, Cypress, Enterprise (2), Equistar, Explorer, Shell, Colonial (2)	36.9	38.5	1.6
Enterprise (2), Cypress, Equistar, Shell, Explorer, Colonial (2)	38.5	40.0	1.5
Equistar	40.0	40.9	0.9
Enterprise, Shell, Cypress, Explorer, Praxair, Colonial (2)	41.2	41.7	0.5
Enterprise (2), Cypress, Shell, Explorer, Colonial (2)	41.7	41.9	0.2
Enterprise (2), Cypress, Explorer, Colonial (2), Shell, Praxair, Equistar	41.9	42.1	0.2
Targa	42.6	42.7	0.1
Enterprise, Shell, Cypress, Enterprise, Equistar, Explorer, Colonial (2), Chevron, Praxair	42.7	43.6	0.9
Powerline	43.6	43.8	0.3
Enterprise, Cypress, Enterprise, Explorer, Equistar, Shell, Colonial, Chevron, Colonial, Praxair	44.2	44.4	0.2
Sempra	44.4	45.4	1.0
Creole Trail, Sempra	45.4	46.3	0.8
Creole Trail	46.3	46.5	0.3
Sempra	46.5	46.7	0.2
Creole Trail, Sempra	46.7	47.1	0.3
Creole Trail, Sempra	47.9	48.2	0.3
Boardwalk, Sempra, Creole Trail	48.7	48.9	0.3
Sempra, Creole Trail, Gulf South, Boardwalk	48.9	49.2	0.2
Sempra, Creole Trail, PetroLogistics (2), Gulf South, PetroLogistics, Boardwalk	49.2	49.8	0.6

APPENDIX L.2 (cont'd)

Louisiana Connector Project Collocation with Existing Utility Rights-of-Way

Utility Name/Owner	Beginning Milepost ^a	Ending Milepost ^a	Total Collocation Length (miles)
Creole Trail, Sempra, Entergy Powerline, PetroLogistics (2), Boardwalk	49.8	50.9	1.2
Boardwalk, Creole Trail, Sempra, Entergy Powerline, PetroLogistics (2)	50.9	51.1	0.2
Entergy Powerline, Sempra (2), Creole Trail	53.4	54.4	1.1
Sempra (2)	55.2	56.3	1.0
Denbury, Sempra (2), Air Products	56.3	56.5	0.2
Sempra (2)	56.8	59.9	3.1
Sempra (3)	59.9	63.4	3.6
Sempra (2)	63.4	66.1	2.7
Creole Trail, Sempra (2), Entergy Powerline, Varibus	66.1	66.4	0.3
Creole Trail, Sempra (2), Entergy Powerline	66.4	66.8	0.4
Sempra (2), Entergy Corporation	66.8	68.8	2.0
Sempra (2), TETCO, Starks Header	68.8	69.9	1.1
Sempra (2)	70.1	70.9	0.8
Creole Trail	70.9	71.2	0.3
Creole Trail, Sempra, TETCO, Starks Header	71.2	71.4	0.2
Sempra, TETCO, Starks	71.5	72.2	0.7
Transco (4)	72.3	72.4	0.1
Starks Header	72.4	72.5	0.2
TETCO	72.7	75.7	3.0
TETCO (2)	76.7	79.2	2.4
TETCO (2)	79.5	81.5	2.0
TETCO (2)	82.6	85.6	3.1
TETCO (2)	85.9	98.1	12.2
TETCO (2)	98.2	104.4	6.2
TETCO (2)	105.1	109.9	4.8
TETCO (2)	110.0	110.1	0.1
TETCO (2)	110.6	113.2	2.6
TETCO (2)	114.7	127.5	12.8
TETCO (2)	127.6	130.5	2.9
Total Louisiana Connector Project Collocation with Existing Rights-of-Way			95.4

^a Approximate mileposts along the pipeline rounded to the nearest tenths.
 Note: Addends may not sum due to rounding.

APPENDIX M

**ADDITIONAL TEMPORARY WORKSPACES
LOCATED IN WETLANDS FOR THE TEXAS
CONNECTOR AND LOUISIANA CONNECTOR
PROJECTS**

**ADDITIONAL TEMPORARY WORKSPACES
LOCATED IN WETLANDS FOR THE TEXAS
CONNECTOR PROJECT**

APPENDIX M.1

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
Northern Segment				
0.1	VI.B.1.a	ATWS within Wetland	Tie into Compressor Station	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Push Section/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Push Section/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Push Section/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Push Section/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Push Section/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Water Access	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	Water Access	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.5	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.6	VI.B.1.a	ATWS within Wetland	Water Access Necessary to tie-in pipeline at a point of intersection (PI), after a long HDD across Intracoastal Waterway; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.6	VI.B.1.a	ATWS within Wetland	Water Access OSHA Type C Soil conditions are likely in saturated wetlands. Based off of experience from prior construction projects, these soil conditions make it difficult to maintain slope stability of the pipeline trench and to contain trench spoil within a 75-foot temporary construction ROW. Contractors will ensure that excavated material does not flow into adjacent wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
2.7	VI.B.1.a	ATWS within Wetland	<p>HDD Entry/Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.</p> <p>The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
4.1	VI.B.1.a	ATWS within Wetland	<p>Water Access Necessary to tie-in pipeline at a point of intersection (PI), after a long HDD across Intracoastal Waterway; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
4.1	VI.B.1.a	ATWS within Wetland	<p>Water Access Necessary to tie-in pipeline at a point of intersection (PI), after a long HDD across Intracoastal Waterway; spoil storage, assembly of pipe, parking, and through access for equipment and personnel.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
4.1	VI.B.1.a	ATWS within Wetland	<p>HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
5.2	VI.B.1.a	ATWS within Wetland	<p>HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
5.2	VI.B.1.a	ATWS within Wetland	<p>Water Access Necessary to tie-in pipeline at a point of intersection (PI), after a long HDD across Intracoastal Waterway; spoil storage, assembly of pipe, parking, and through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
5.2	VI.B.1.a	ATWS within Wetland	<p>HDD Entry/Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
5.3	VI.B.1.a	ATWS within Wetland	HDD Entry/Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
6.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
6.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
7.7	VI.B.1.a	ATWS within Wetland	Push Section Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
7.8	VI.B.1.a	ATWS within Wetland	Road Entry, parking, spoil storage, maintain through access for equipment and personnel.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
7.9	VI.B.1.a	ATWS within Wetland	RO Road AD Entry, parking, spoil storage, maintain through access for equipment and personnel.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.2	VI.B.1.a	ATWS within Wetland	PI/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.2	VI.B.1.a	ATWS within Wetland	PI/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.2	VI.B.1.a	ATWS within Wetland	PI/Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.3	VI.B.1.a	ATWS within Wetland	HDD Exit/Access Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The HDD pad in this area was placed so that it would have the least impact on surrounding wetlands. The surrounding wetlands were unavoidable in the area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.9	VI.B.1.a	ATWS within Wetland	HDD Entry/Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
8.9	VI.B.1.a	ATWS within Wetland	HDD Entry/Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
8.9	VI.B.1.a	ATWS within Wetland	HDD Entry/Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
9.6	VI.B.1.a	ATWS within Wetland	Staging Area Additional staging area and equipment needs including parking and equipment turnaround. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
10.0	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
10.9	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. A large canal to the south, a wetland area to the west, and the location of the HDD restrict the workspace in this area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
10.9	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
11.3	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs, to include turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
11.6	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
12.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
12.4	VI.B.1.a	ATWS within Wetland	Canal/Road Additional staging area and equipment needs. Entry, parking, spoil storage, maintain through access for equipment and personnel.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
12.4	VI.B.1.a	ATWS within Wetland	Canal/Road Additional staging area and equipment needs. Entry, parking, spoil storage, maintain through access for equipment and personnel. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
12.6	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
12.6	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
12.7	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs which includes turning radius for stringing trucks, welding pads, larger ditch sizing, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
13.6	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
13.7	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
14.2	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
14.4	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
14.5	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
14.5	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
14.9	VI.B.1.a	ATWS within Wetland	Road/ FPL/ PI Additional staging area and equipment needs. Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.2	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.4	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.4	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs which includes turning radius for stringing trucks, welding pads, larger ditch sizing, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.6	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.7	VI.B.1.a	ATWS within Wetland	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
16.9	VI.B.1.a	ATWS within Wetland	Canal/Foreign Pipeline Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
16.9	VI.B.1.a	ATWS within Wetland	Canal/Foreign Pipeline Additional area needs for canal include equipment and personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, and bore rig area. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
17.2	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
17.3	VI.B.1.a	ATWS within Wetland	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
18.1	VI.B.1.a	ATWS within Wetland	HDD Exit/Pull String Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.2	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.5	VI.B.1.a	ATWS within Wetland	HDD Entry/Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDDs and the foreign pipeline restricts the location of the ATWS. Therefore, the wetlands in this area are unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.1	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.4	VI.B.1.a	ATWS within Wetland	Canal	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.4	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.4	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.4	VI.B.1.a	ATWS within Wetland	Canal/PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
19.6	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, sidebooms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
21.3	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs which includes turning radius for stringing trucks, welding pads, larger ditch sizing, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
21.6	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD in the area restrict the placement of the ATWS and make the wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.5	VI.B.1.a	ATWS within Wetland	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to landowner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions. The entire surrounding area is wetlands. This and the construction conditions make wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.8	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.9	VI.B.1.a	ATWS within Wetland	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to landowner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
23.0	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
23.0	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
23.0	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
23.7	VI.B.1.a	ATWS within Wetland	HDD Entry/Push Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
24.4	VI.B.1.a	ATWS within Wetland	Tie-In Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area. The entire surrounding area is wetland. This makes wetland impacts unavoidable by an ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
24.6	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
26.1	VI.B.1.a	ATWS within Wetland	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to landowner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
26.2	VI.B.1.a	ATWS within Wetland	Construction Conditions Additional staging area and equipment needs. Permanent and temporary workspace is necked down due to landowner constraints and existing foreign pipeline; therefore, ATWS was added to compensate for restricted existing conditions.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
Southern Pipeline				
0.1	VI.B.1.a	ATWS within Wetland	Tie into Compressor Station	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.1	VI.B.1.a	ATWS within Wetland	Tie into Compressor Station	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.2	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
2.2	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.2	VI.B.1.a	ATWS within Wetland	South Route Staging Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.2	VI.B.1.a	ATWS within Wetland	South Route Staging Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.6	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.6	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.6	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.9	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
2.9	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
3.8	VI.B.1.a	ATWS within Wetland	HDD Exit/ Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
3.8	VI.B.1.a	ATWS within Wetland	HDD Exit/ Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
3.8	VI.B.1.a	ATWS within Wetland	HDD Exit/ Push Section Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
5.0	VI.B.1.a	ATWS within Wetland	Road Entry, parking, spoil storage, maintain through access for equipment and personnel.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
5.0	VI.B.1.a	ATWS within Wetland	Road Entry, parking, spoil storage, maintain through access for equipment and personnel.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
7.5	VI.B.1.a	ATWS within Wetland	HDD Entry Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetland. This makes wetland impacts unavoidable by any ATWS configuration at this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
FGT Lateral				
0.6	VI.B.1.a	ATWS within Wetland	Foreign Pipeline Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.6	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.6	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.6	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.7	VI.B.1.a	ATWS within Wetland	Float Pipeline Equipment necessary to float pipeline requires typical 125-foot construction ROW and additional staging area.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.8	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
GTS Lateral				
0.2	VI.B.1.a	ATWS within 50ft of Wetland	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.5	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.5	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.5	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
0.5	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
0.5	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.1	VI.B.1.a	ATWS within Wetland	HDD Exit Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.1	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.2	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
1.3	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
HPL Lateral				
1.0	VI.B.1.a	ATWS within Wetland	Pull String Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the pipestring restrict the placement of the ATWS and makes the wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
NGPL Lateral				
0.1	VI.B.1.a	ATWS within Wetland	PI Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetland. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.1 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Texas Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion
a	Although adequate justification has been provided for these alternative measures, PAPL would be required to comply with other requirements of the FERC Procedures. Erosion and sedimentation control devices should be monitored and maintained in these areas more frequently than the minimum time intervals required by the FERC Procedures until final grading and revegetation have been completed.			

**ADDITIONAL TEMPORARY WORKSPACES
LOCATED IN WETLANDS FOR THE LOUISIANA
CONNECTOR PROJECT**

APPENDIX M.2

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
0.01	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment and parking. Pipeline initiation point is surrounded by wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.04	VI.B.1.a	ATWS within Wetland	Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.06	VI.B.1.a	ATWS within Wetland	Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.11	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
18.14	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.06	VI.B.1.a	ATWS within Wetland	Additional material staging area and equipment needs including barge offloading equipment, material staging, parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.21	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
19.63	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
20.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
20.36	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
20.44	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
20.46	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
20.77	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
21.92	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.23	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
22.24	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.27	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.28	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil storage for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
22.57	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
23.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
24.15	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
24.86	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
25.65	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Location is critical to allowing vehicles and equipment to turn around or pass on the working side of the ROW near the access road. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
26.10	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Location was selected in an existing, cleared ROW and existing access route from the Intercoastal Waterway to avoid vegetation clearing. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
26.17	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. This location will also be used to stage material and equipment for the push/pull installation method. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
26.50	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
26.72	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area as well as material staging to construct the access road to the West. Site was selected to utilize existing raised berm and road. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
27.22	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
27.22	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
27.44	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD entry and at end of access road. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
27.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
27.47	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD entry and at end of access road. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.29	VI.B.1.a	ATWS within Wetland	Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. Location was selected for shortest path between HDD exit and Intercoastal Waterway to reduce vegetation clearing and wetland impacts. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.30	VI.B.1.a	ATWS within Wetland	Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area. Location was selected for shortest path between HDD exit and Intercoastal Waterway to reduce vegetation clearing and wetland impacts. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area, it is unavoidable for the location of the ATWS pad to not impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
28.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area, it is unavoidable for the location of the ATWS pad to not impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.38	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.38	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD was selected to reduce the need for tree and vegetation clearing. Due to the multitude of wetlands in the area, it is unavoidable for the location of the ATWS pad to not impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
28.73	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
29.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
30.02	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
30.62	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. Due to the multitude of wetlands in the area, it is unavoidable for the location of the ATWS pad to not impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
30.75	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
30.84	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Area will also be used for barge/marsh buggy offloading and material staging for push/pull section. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
30.89	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. Additional staging and area for equipment is required for the installation of MLV #2. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
31.54	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
32.28	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
32.86	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking, materials, and equipment turn-around area. Location was selected in an existing, cleared ROW to reduce tree clearing. The additional area is also required to assist stringing trucks going around the 90° turn in access road AR-CAL-04. The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
32.87	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs including parking, materials, and equipment turn-around area.</p> <p>Location was selected in an existing, cleared ROW to reduce tree clearing. The additional area is also required to assist stringing trucks going around the 90° turn in access road AR-CAL-04.</p> <p>The location of the foreign pipelines and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
33.01	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs including parking and equipment turn-around area.</p> <p>The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
33.72	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.</p> <p>The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
34.79	VI.B.1.a	ATWS within Wetland	<p>Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area.</p> <p>This location was selected to utilize existing road and dock to reduce clearing and the need for a new dock. The surrounding area is mostly wetlands. This makes wetland impacts nearly unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
34.81	VI.B.1.a	ATWS within Wetland	<p>Additional material staging area and equipment needs including barge offloading equipment, parking and equipment turn-around area.</p> <p>This location was selected to utilize existing road and dock to reduce clearing and the need for a new dock. The surrounding area is mostly wetlands. This makes wetland impacts nearly unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
35.03	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.</p> <p>The location of the road, powerline, and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
35.10	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road, powerline, and multitude of wetlands in the area restrict the placement of this ATWS pad and makes the wetland impacts unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
35.50	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The pad is located outside the wetlands but is surrounded by wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
35.80	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, spoil storage, and temporary bypass equipment. The pad is located to abutt the road ROW. Moving farther away would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
35.84	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, spoil storage, and temporary bypass equipment. The pad is located to abutt the road ROW. Moving farther away would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.33	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.41	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.46	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
36.50	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.64	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.69	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.70	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.77	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
36.92	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
37.37	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
37.44	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
37.50	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
37.61	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
37.66	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
38.47	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
38.51	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
38.61	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for HDD rig and associated equipment, storage of drill pipe, staging equipment and parking. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
39.15	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and surrounding wetlands restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
39.52	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
39.78	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
39.86	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location is limited to the north side of the pipeline ROW due to foreign pipelines. Wetlands are all around the proposed ATWS pad. This makes wetland impacts unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.16	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD, foreign pipeline to the south, and multiple wetlands in the area restrict the location of the ATWS pad.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.52	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.55	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
40.61	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.66	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.77	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.85	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
40.98	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for multiple PIs which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PIs, and extra track hoe requirements. ATWS pad is located between foreign pipelines and wetland on the south side of the ROW. The north side of the ROW is restricted by multiple residences making the wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
41.05	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.</p> <p>ATWS pad is located between on the north side of the ROW. The south side of the ROW is restricted by foreign pipelines and an existing above grade facility/valve site. Due to this restriction and the multiple wetlands and residences in the area, impacts to the wetland are unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
41.45	VI.B.1.a	ATWS within Wetland	<p>Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment.</p> <p>Due to the paralleled foreign pipeline directly to the south, the ATWS pad for road bore must be to the north side of the ROW. Multiple wetlands are on the north side making it unavoidable to impact wetlands.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
41.98	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
42.52	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.</p> <p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
42.52	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area.</p> <p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>The location of the HDD and surrounding wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
42.55	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
42.62	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
42.68	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
42.97	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.09	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The surrounding area includes a multitude of wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.19	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
43.26	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.39	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
43.86	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
43.89	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for Bore entry/exit and PI: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil, turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.</p> <p>The location is critical to avoid existing WRP lands. Wetland impacts are unavoidable due to the manmade ditch which intersects the road.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.22	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements.</p> <p>The entire surrounding area is wetlands and the south side is restricted due to foreign pipelines. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.40	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>The location of the PI, pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.43	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>The location of the PI, pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.52	VI.B.1.a	ATWS within Wetland	<p>Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.</p> <p>The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
44.56	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.62	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the west side is restricted due to a pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.67	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
44.77	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Location was selected to reduce vegetation clearing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
45.06	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Location was selected to reduce vegetation clearing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
45.47	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
45.56	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
45.72	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The location was selected near the transition to TWS neckdown area for vehicle/equipment to be able to pass on the working side and assist with an open cut water crossing. Additional area includes parallel foreign pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.04	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. ATWS pad location was restricted to the east side due to the paralleling foreign pipeline on the west side. Moving the ATWS further to the south would hinder its ability to aid in construction as the distance from the foreign pipeline would be too far to transfer spoil.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.04	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. ATWS pad location was restricted to the east side due to the paralleling foreign pipeline on the west side. Moving the ATWS further to the south would hinder its ability to aid in construction as the distance from the foreign pipeline would be too far to transfer spoil.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.07	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
46.11	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.21	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.26	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.42	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
46.46	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
46.76	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.05	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.07	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands and the west side is restricted due to a paralleling foreign pipeline. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
47.14	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs including parking and equipment turn-around area. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.21	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI, bore entry/exit, and foreign pipeline crossing which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI and bore pit, extra spoil, parallel pipe stringing, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.22	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The surrounding area includes a multitude of wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. In addition, the area is surrounded with a multitude of wetlands. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.51	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
47.51	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
47.93	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.16	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.20	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.50	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.60	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.63	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
48.64	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
48.93	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
49.37	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
49.77	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
49.86	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempa pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
49.95	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
50.28	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
50.33	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
50.36	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
50.52	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.28	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.33	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.33	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
51.48	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.49	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.56	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.57	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.60	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
51.62	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines crossing, the location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.71	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.71	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.75	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.75	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
51.80	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

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Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
51.87	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the railroad and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.13	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.31	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.46	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.46	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.62	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
52.63	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.67	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.68	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
52.98	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.00	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.07	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
53.07	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.10	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.15	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.22	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.36	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.37	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.80	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
53.94	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
53.96	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.08	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.15	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.22	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.43	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
54.54	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.56	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.85	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
54.86	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
55.14	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
55.75	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
55.80	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
56.25	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
56.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
56.54	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
56.57	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
56.72	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
56.74	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
58.51	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
59.12	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
59.63	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
59.67	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
59.67	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
59.98	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
60.11	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
60.25	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
60.25	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
60.81	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
61.91	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
61.97	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
62.73	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
62.82	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
62.95	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
63.00	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
63.81	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
63.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
65.54	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
65.62	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.09	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.09	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
66.14	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.14	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Existing foreign pipelines and multitude of wetlands in the area restrict the placement of the ATWS in this area, making this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.17	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.17	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
66.36	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
66.36	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
68.01	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
68.20	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
68.24	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
69.74	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
69.80	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.02	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.04	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.06	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.34	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
70.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.84	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, Foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
70.84	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, Foreign pipeline crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
71.03	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
71.06	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
71.11	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
71.20	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
71.21	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
72.37	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
72.74	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
72.74	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
72.76	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
72.77	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines both crossing and paralleling the Sempra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
73.23	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
73.30	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
73.61	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
74.05	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
74.10	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
74.17	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
75.07	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines both crossing and paralleling the Semptra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
75.10	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines both crossing and paralleling the Semptra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
75.11	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines both crossing and paralleling the Semptra pipeline in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.02	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.02	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
76.03	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.07	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.08	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.45	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
76.59	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
76.62	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
78.71	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
78.74	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
79.44	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Moving the ATWS would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
81.28	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
81.53	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
81.56	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
81.58	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
81.66	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional staging area, equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.05	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Moving the would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.05	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Moving the ATWS would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.10	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.15	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.27	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
82.35	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing .	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
84.84	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
84.84	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
84.92	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
85.81	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
85.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
86.12	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
86.13	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
86.27	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
87.08	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
87.43	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
87.49	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
89.12	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
89.29	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
89.41	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
89.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
90.61	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
90.62	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
90.66	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road crossing and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
90.92	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
91.07	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
91.26	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
91.32	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
91.41	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
91.47	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
91.51	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
92.63	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
93.30	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
93.33	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
94.20	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
94.45	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
94.72	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
94.76	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI, foreign pipeline crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
94.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipeline crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.14	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody crossing and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.37	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.55	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.60	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.65	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
96.95	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.97	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.98	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Existing structures and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
96.99	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Existing structures and the multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
97.08	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
97.08	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
97.13	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
97.13	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
97.57	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
97.72	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
98.21	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipelines parallelling the Sempra pipeline and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
98.22	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The location of the PI, foreign pipelines parallelling the Sempra pipeline and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
98.32	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
98.40	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
98.55	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
99.37	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
99.71	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
99.78	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
99.85	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs including parking and equipment turn-around area. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
100.56	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
100.58	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
100.73	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The location of the waterbody and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
100.92	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
100.92	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
103.60	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the road crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
103.61	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. Moving the ATWS would not assist with the road crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
104.34	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.41	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.44	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.47	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.59	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.65	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.69	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
104.73	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.79	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.89	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The location of the road and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
104.95	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
105.05	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
105.10	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
107.10	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
108.39	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
108.45	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
108.64	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
108.70	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
108.78	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
108.83	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.67	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.73	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
109.79	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for pull string includes pull-back pipe on rollers, HDD aboveground pre-test equipment and pipe string, and travel lanes for other equipment. The location of the HDD and length of the drill string restrict the placement of the ATWS in this area. The wetland impact is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.87	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The location of the PI and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.87	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
109.87	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
110.08	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. Foreign pipelines parallelling the Sempra pipeline and the location of the HDD restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
110.27	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would reduce the benefit for nearby spoil storage for the waterbody crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
110.65	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
111.87	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS would reduce the benefit for nearby spoil storage for the waterbody crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
112.15	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
112.64	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
115.59	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
115.61	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for tie-in including bell hole installation for the T section and additional spoil area. The location of the tie-in and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
117.98	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
118.24	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
118.30	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
118.38	VI.B.1.a	ATWS within Wetland	<p>Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment.</p> <p>Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the waterbody crossing.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
118.79	VI.B.1.a	ATWS within Wetland	<p>Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment.</p> <p>Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
118.80	VI.B.1.a	ATWS within Wetland	<p>Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing.</p> <p>Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.</p>	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
118.84	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
118.94	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs. Worksite must be level for drilling rig and associated equipment, storage of drill pipe, parking, pull-back area. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
119.17	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for HDD aboveground pre-test equipment and pipe material, side-booms, cranes for HDD pullback loading at an inclined angle, and personnel vehicle parking. The location of the HDD and multitude of wetlands in the area restrict the location of the ATWS pad and make this wetland impact unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
120.66	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
120.70	VI.B.1.a	ATWS within Wetland	Additional area needs for foreign pipeline crossings include spoil needs for daylighting foreign pipelines, additional equipment storage for pipeline mats, and parallel pipeline stringing. Several foreign pipelines in the area, both crossing and paralleling the Sempra pipeline dictate the necessity for this ATWS and restrict the area which it can be placed. Therefore, the wetland impact here is unavoidable.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
120.80	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit and PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, personnel parking/staging, parallel pipeline stringing, bore pit, extra bore pit spoil, daylighting foreign pipeline spoil. Moving the ATWS farther away would reduce the benefit pipeline construction.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
120.94	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
120.95	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. Moving the ATWS farther away would reduce the benefit for nearby spoil storage for the road crossing.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
123.35	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil. The entire surrounding area is wetlands. Moving the ATWS to the East is restricted by existing structures. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
127.35	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
127.48	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
127.56	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional staging area and equipment needs for Bore entry/exit: personnel parking/staging, parallel pipeline stringing, bore pit, and extra bore pit spoil.. Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
128.11	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
128.30	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
128.82	VI.B.1.a	ATWS within Wetland	Additional staging area and equipment needs for PI which includes turning radius for stringing trucks, welding pads, larger ditch sizing for installing PI, and extra track hoe requirements. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
128.99	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
129.04	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
129.09	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
129.69	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
129.83	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.

APPENDIX M.2 (cont'd)

Additional Temporary Workspaces Located in Wetlands for the Louisiana Connector Project

Milepost	Procedures Section Reference	Deviation Description	Justification	FERC Conclusion ^a
129.89	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
130.04	VI.B.1.a	ATWS within Wetland	Maintain through access for equipment and personnel. Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, and temporary bypass equipment. The entire surrounding area is wetlands. This makes wetland impacts unavoidable by any ATWS configuration in this location.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
130.33	VI.B.1.a	ATWS within Wetland	Additional area includes equipment and personnel parking/staging, parallel pipeline stringing, additional spoil storage, and temporary bypass equipment. Moving the ATWS to the North side would not assist with the waterbody crossing and is restricted by foreign pipelines.	Sufficiently justified. A suitable upland alternative location for the ATWS is not available.
^a	Although adequate justification has been provided for these alternative measures, PAPL would be required to comply with other requirements of the FERC Procedures. Erosion and sedimentation control devices should be monitored and maintained in these areas more frequently than the minimum time intervals required by the FERC Procedures until final grading and revegetation have been completed.			

APPENDIX N

BIRDS OF CONSERVATION CONCERN WITHIN BCR 37 – GULF COASTAL PRAIRIE IN THE PROJECTS AREA

APPENDIX N

Birds of Conservation Concern within BCR 37 – Gulf Coastal Prairie in the Projects Area ^a

Common Name ^b	Scientific Name
Audubon's Shearwater (nb)	<i>Puffinus lherminieri</i>
Band-rumped Storm-Petrel (nb)	<i>Oceanodroma castro</i>
American Bittern	<i>Botaurus lentiginosus</i>
Least Bittern	<i>Ixobrychus exilis</i>
Reddish Egret	<i>Egretta rufescens</i>
Swallow-tailed Kite	<i>Elanoides forficatus</i>
Bald Eagle (b)	<i>Haliaeetus leucocephalus</i>
White-tailed Hawk	<i>Geranoaetus albicaudatus</i>
Peregrine Falcon (b) (nb)	<i>Falco peregrinus</i>
Yellow Rail	<i>Coturnicops noveboracensis</i>
Black Rail	<i>Laterallus jamaicensis</i>
Snowy Plover (c)	<i>Charadrius nivosus</i>
Wilson's Plover	<i>Charadrius wilsonia</i>
Mountain Plover (nb)	<i>Charadrius montanus</i>
American Oystercatcher	<i>Haematopus palliatus</i>
Solitary Sandpiper (nb)	<i>Tringa solitaria</i>
Lesser Yellowlegs (nb)	<i>Tringa flavipes</i>
Upland Sandpiper (nb)	<i>Bartramia longicauda</i>
Whimbrel (nb)	<i>Numenius phaeopus</i>
Long-billed Curlew	<i>Numenius americanus</i>
Hudsonian Godwit (nb)	<i>Limosa haemastica</i>
Marbled Godwit (nb)	<i>Limosa fedoa</i>
Red Knot (<i>roselaari</i> ssp.) (nb)	<i>Calidris canutus roselaari</i>
Red Knot (<i>rufa</i> ssp.) (a) (nb)	<i>Calidris canutus rufa</i>
Buff-breasted Sandpiper (nb)	<i>Tryngites subruficollis</i>
Short-billed Dowitcher (nb)	<i>Limnodromus griseus</i>
Least Tern (c)	<i>Sternula antillarum</i>
Gull-billed Tern	<i>Gelochelidon nilotica</i>
Sandwich Tern	<i>Thalasseus sandvicensis</i>
Black Skimmer	<i>Rynchops niger</i>
Short-eared Owl (nb)	<i>Asio flammeus</i>
Loggerhead Shrike	<i>Lanius ludovicianus</i>
Sedge Wren (nb)	<i>Cistothorus platensis</i>
Sprague's Pipit (nb)	<i>Anthus spragueii</i>
Prothonotary Warbler	<i>Protonotaria citrea</i>
Swainson's Warbler	<i>Limnothlypis swainsonii</i>
Botteri's Sparrow	<i>Peucaea botterii</i>
Grasshopper Sparrow	<i>Ammodramus savannarum</i>
Henslow's Sparrow (nb)	<i>Ammodramus henslowii</i>
LeConte's Sparrow (nb)	<i>LeConte's Sparrow (nb)</i>
Nelson's Sharp-tailed Sparrow (nb)	<i>Ammodramus nelsoni</i>
Seaside Sparrow (c)	<i>Ammodramus maritimus</i>
Painted Bunting	<i>Passerina ciris</i>
Dickcissel	<i>Spiza americana</i>

^a U.S. Fish and Wildlife Service. 2008. Birds of Conservation Concern 2008. United States Department of Interior, Fish and Wildlife Service, Division of Migratory Bird Management, Arlington, Virginia. 85 pp. [Online version available at <<http://www.fws.gov/migratorybirds/>>]

^b Species status within the BCR:
 (b) ESA delisted
 (c) non-listed subspecies or population of Threatened or Endangered species
 (nb) non-breeding in this BCR

APPENDIX O

**DETERMINATIONS OF NO EFFECT ON
FEDERALLY LISTED SPECIES AND CRITICAL
HABITAT FOR THE PROJECTS**

APPENDIX O

Justification for Determinations of No Effect on Federally Listed Species and Critical Habitat for the Projects

Common Name <i>Scientific Name</i>	Federal Status ^a - Parish/County ^b	Justification for Determination of No Effect
Pallid sturgeon <i>Scaphirhynchus albus</i>	E - STL	The pallid sturgeon is a bottom-oriented, fish that inhabits large river systems from Montana to Louisiana. Within this range, pallid sturgeon tends to select main channel habitats in the Mississippi River and main channel areas with islands or sand bars in the upper Missouri River. In Louisiana, it occurs in the Atchafalaya and Mississippi Rivers, and below Lock and Dam Number 3 on the Red River (with known concentrations in the vicinity of the Old River Control Structure Complex) (FWS, 2016a). The Louisiana Connector Project would not occur within suitable habitat for the pallid sturgeon.
Gulf sturgeon <i>Acipenser oxyrinchus desotoi</i>	T - N/A	Gulf sturgeon are an anadromous fish, which means they can live in both fresh and saltwater. They have a relatively complex life history that includes spawning and juvenile rearing in rivers followed by migrating to saltwater to feed, grow, and mature before returning to freshwater to spawn. They are a long-lived, slow-growing fish. They are vulnerable to many stressors and threats including blocked access to spawning grounds and habitat degradation caused by dams and culverts. The Projects are located outside of the species range (NMFS, 2007; NMFS, 2018). Although there is a possibility that some LNG vessel transit routes could traverse through the coastal waters of the northeastern Gulf of Mexico, inhabited by the Gulf sturgeon, the Gulf sturgeon are bottom-oriented species that primarily inhabit shallow coastal and estuarine habitats, and are not known to be affected by large, ocean-going vessels (NMFS, 2018). Therefore, the Gulf sturgeon is not expected to be exposed to any direct or indirect effects of the Liquefaction Project.
Oceanic whitetip shark <i>Carcharhinus longimanus</i>	T - N/A ^c	The oceanic whitetip shark is found throughout the world in tropical and sub-tropical waters. It is a pelagic species, generally remaining offshore in the open ocean, on the outer continental shelf, or around oceanic islands in water depths greater than 600 feet. They live from the surface of the water to at least 498 feet deep. The primary threat to the oceanic whitetip shark is incidental bycatch in commercial fisheries (NMFS, n.d.-h). Given that sharks are not known to be susceptible to vessel strikes, the oceanic whitetip shark is not expected to be exposed to any direct or indirect effects of the Liquefaction Project.
Piping plover <i>Charadrius melodus</i>	CH - CA	On July 10, 2001, the FWS designated critical habitat for wintering piping plovers (Federal Register Volume 66, No. 132), including seven critical habitat units in Louisiana, with one of those units in Cameron Parish (LA-1) (FWS, 2001a). The Texas Connector and Louisiana Connector Projects do not occur within the designated critical habitat unit in Cameron Parish.
Lobed star coral <i>Orbicella annularis</i>	T - N/A ^c	Lobed star coral grows in lobes, and the surface usually does not have ridges or bumps (NMFS, n.d.-c). This species grows in waters 2 to 270 feet deep. Given that there would be no reef disturbance associated with the minor increase in vessel traffic in the Gulf of Mexico associated with LNG vessels calling on the Liquefaction Project facility (about three to four carriers per week), coral species are not expected to be exposed to any direct or indirect effects of the Liquefaction Project.
Mountainous star coral <i>Orbicella faveolata</i>	T - N/A ^c	Mountainous star coral grows in heads or sheets, and the surface can be smooth, bumpy, or ridged. This species grows in waters 2 to 270 feet deep (NMFS, n.d.-c). Given that there would be no reef disturbance associated with the minor increase in vessel traffic in the Gulf of Mexico associated with LNG vessels calling on the Liquefaction Project facility (about three to four carriers per week), coral species are not expected to be exposed to any direct or indirect effects of the Liquefaction Project.

APPENDIX O (cont'd)

Justification for Determinations of No Effect on Federally Listed Species and Critical Habitat for the Projects

Common Name <i>Scientific Name</i>	Federal Status ^a - Parish/County ^b	Justification for Determination of No Effect
Boulder star coral <i>Orbicella franksi</i>	T – N/A ^c	Boulder star coral has large, unevenly-arranged polyps that make the surface of the coral look irregular and grows in waters 2 to 270 feet deep (NMFS, n.d.-c). Given that there would be no reef disturbance associated with the minor increase in vessel traffic in the Gulf of Mexico associated with LNG vessels calling on the Liquefaction Project facility (about three to four carriers per week), coral species are not expected to be exposed to any direct or indirect effects of the Liquefaction Project.
Elkhorn coral <i>Acropora palmata</i>	T – N/A ^c	Elkhorn coral is the largest of all species of <i>Acropora</i> (NMFS, 2012). Colonies are flattened to near round with frond-like branches. Branches typically radiate outward from a central trunk (NMFS, n.d.-c). Elkhorn coral generally grows in water 3 to 15 feet deep on the seaward face of the reef (NMFS, 2012). Given that there would be no reef disturbance associated with the minor increase in vessel traffic in the Gulf of Mexico associated with LNG vessels calling on the Liquefaction Project facility (about three to four carriers per week), coral species are not expected to be exposed to any direct or indirect effects of the Liquefaction Project.
^a Federal status includes: Endangered (E) and Critical Habitat (CH). ^b Parish/County: Orange County (OR), Cameron Parish (CA), St. Landry Parish (STL) ^c Oceanic whitetip shark listed for the States of Texas and Louisiana (NMFS, n.d.-a; n.d.-b); coral species listed for the State of Texas (NMFS, n.d.-a).		

APPENDIX P

STATE-LISTED AND RARE SPECIES POTENTIALLY OCCURRING IN THE VICINITY OF THE PROJECTS

APPENDIX P

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
BIRDS				
*Brown pelican ^{c, d} <i>Pelecanus occidentalis</i>	R – JE, OR	Louisiana Connector	Found in largely coastal and near shore areas, where it nests on small, isolated coastal islands, safe from predators such as raccoons and coyotes (TPWD, 2017a).	The Louisiana Connector Project would not impact suitable habitat for this species.
American peregrine falcon ^{c, d} <i>Falco peregrinus anatum</i>	T – JE, OR	Liquefaction Texas Connector	The Texas coastline plays an important role in the survival of migrating peregrine falcons. Falcons assemble on the Texas coast to take advantage of the abundant prey along the open coastline and tidal flats. Preferred hunting habitats in the Project area include coastal prairies and marshes (TPWD, 2016).	Suitable nesting habitat is not present in the Liquefaction or Texas Connector Projects area. However, suitable foraging habitat for this species is present in both project areas. Therefore, the projects may affect this species through reducing quality and/or availability of foraging habitat.
Arctic peregrine falcon ^c <i>Falco peregrinus tundrius</i>	R – JE, OR	Liquefaction Texas Connector	Arctic Peregrines migrate through Texas twice a year to and from their wintering areas in South America and stop on the Texas Coast to feed before continuing their migration. Foraging habitats include meadows, river bottoms, croplands, marshes, and lakes (TPWD, 2017a).	Suitable foraging habitat for this species is found in the Liquefaction and Texas Connector Projects area. Therefore, the Projects may affect this species through reducing quality and/or availability of foraging habitat.
*Reddish egret ^{c, d} <i>Egretta rufescens</i>	T - JE	Louisiana Connector	Found along the Gulf Coast of Texas and some parts of Louisiana and southern Florida. Nests are built mostly on the ground near a bush or prickly pear cactus or on an oyster shell beach (TPWD, 2017a).	Louisiana Connector Project activities in Jefferson County would occur within the previously disturbed Liquefaction facility; therefore, suitable habitat would not be present for this species and impacts are not anticipated.
Swallow-tailed kite ^{c, d} <i>Elanoides forficatus</i>	T – JE, OR	Liquefaction Texas Connector	Currently nests only in the states along the Gulf Coast and other adjacent states; which is less than half of its historical U.S. breeding range. Occasionally, kites are seen statewide in Texas during spring and fall migration as well as all along the Gulf Coast. When nesting in Texas, swallow-tailed kites are most likely to be seen near large rivers, particularly the lower Trinity, lower Neches and lower Sabine river watersheds and associated bottomland hardwood forests (TPWD, 2017b).	Suitable habitat for this species exists in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible if activities are conducted during the nesting season.
White-faced ibis ^{c, d, f} <i>Plegadis chihi</i>	T – JE, OR	Liquefaction Texas Connector Louisiana Connector	In Texas, they breed and winter along the Gulf Coast and may occur as migrants in the Panhandle and West Texas. Frequents marshes, swamps, ponds and rivers; and seems to prefer freshwater marshes, where it can find insects, newts, leeches, earthworms, snails and especially crayfish, frogs and fish. They roost on low platforms of dead reed stems or on mud banks. During the nesting season, they are colonial and will construct a deep cup of dead reeds among beds of bulrushes, on floating mats of dead plants or they may nest in trees (TPWD, 2017a).	Suitable habitat for this species exists in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible if activities are conducted during the nesting season.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Wood stork ^{c, d, f} <i>Mycteria americana</i>	T – JE, OR	Liquefaction Texas Connector Louisiana Connector	Breeds in Mexico and migrates to the Gulf states for foraging; there have been no breeding records in Texas since 1960 (Texas A&M, 2017). The wood stork is associated with various habitats featuring shallow, standing water; including prairie ponds, ditches, mudflats, flooded fields, and natural wetlands. The wood stork will utilize both freshwater and saltwater systems, located in either open or forested areas. The wood stork roosts communally in snags, sometimes in association with other species of wading birds (TPWD, 2016).	Suitable foraging habitat for this species is found in the Liquefaction and Texas Connector Projects areas. Therefore, the projects may affect this species through reducing quality and/or availability of foraging habitat.
Black rail ^{c, d, f} <i>Laterallus jamaicensis</i>	R – JE	Liquefaction Texas Connector Louisiana Connector	Inhabits marshes (salt, brackish, and freshwater), pond borders, wet meadows, and grassy swamps and feeds on small invertebrates and seeds. A year-round resident of central coastal Texas, black rails nest in May and June, typically building well-concealed ground nests in clumps of vegetation (Texas A&M, 2017).	Suitable habitat for this species exists in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible if activities are conducted during the nesting season.
Henslow's sparrow ^{c, d, f} <i>Ammodramus henslowii</i>	R – JE, OR	Liquefaction Texas Connector Louisiana Connector	Winter non-breeding range extends from coastal North Carolina west to central Texas. Prefers dense grass and forb cover in longleaf/slash pine savanna; wet meadows, often dominated by broomsedge (<i>Andropogon virginicus</i>) and wiregrass (<i>Aristida</i> spp.) within longleaf pine savanna; pitcher plant (<i>Sarracenia</i> spp.) bogs; moist grassy un-mowed fields, rights-of-way, and prairies (Cornell Lab of Ornithology, 2017).	Suitable foraging habitat for this species is found in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of foraging habitat.
*Snowy plover ^{c, d, f} <i>Charadrius alexandrinus</i>	R – JE	Liquefaction Texas Connector Louisiana Connector	In Texas, it is typically observed along the southern half of the coastline (Texas A&M, 2017). Snowy Plovers breed in Texas from near sea level to about 1200 m (3900 ft) on bare upper beaches and sandy flats along the coast and sandy shores of large alkaline, saline or freshwater lakes (Oberholser 1974).	The Liquefaction, Texas Connector, and Louisiana Connector Projects would not impact suitable habitat for this species.
*Sooty tern ^{c, f} <i>Sterna fuscata</i>	T – OR	Texas Connector	Typically observed along the southern half of the Texas coastline. Sooty terns are pelagic, spending more than half of their life at sea. This species is typically observed in Texas from March to October, breeding between late April and early July. They tend to breed on small coastal islands in small colonies in open areas (Texas A&M, 2017).	The Texas Connector Project would not impact suitable habitat for this species.
Crested Caracara ^{c, e} <i>Caracara cheriway</i>	R – CAM, CAL	Louisiana Connector	Occurs mainly in southeast Texas and Florida, with the Louisiana population limited to the extreme southwest portion of the state, particularly Cameron Parish. Occurs in open areas such as prairies or rangeland with scattered trees (LDWF, 2017a).	Suitable habitat for this species is found in Louisiana Connector Project area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. See section 4.7.4 for a discussion of impacts on this species.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Rafinesque's big-eared bat ^d <i>Corynorhinus rafinesquii</i>	T – JE, OR	Liquefaction Texas Connector	In the southeastern United States, they reach the westernmost portion of their range in the pine forests of East Texas. Roost in cave entrances, in hollow trees, in man-made structures such as abandoned buildings, and under bridges (TPDW, 2017).	Suitable roosting and foraging habitat is present in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Plains spotted skunk ^{d,f} <i>Spilogale putorius interrupta</i>	R – JE, OR	Liquefaction Texas Connector Louisiana Connector	Distribution in Texas includes Fort Bend, Harris, Haskell, Jones, Lubbock (possibly extirpated), San Jacinto, Taylor, and Waller Counties (NatureServe, 2017). Found most commonly in open grasslands, brushy areas and cultivated land. Their dens are located below ground in grassy banks, rocky crevices or along fence rows, as well as above ground in hay stacks, woodpiles, hollow logs or trees or brush heaps (MDC, 2017).	Suitable habitat for this species is found in both the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Southeastern myotis bat ^d <i>Myotis austroriparius</i>	R – JE, OR	Liquefaction Texas Connector	The southeastern myotis lives in the southeastern United States, from coastal North Carolina south into peninsular Florida, west through Louisiana and into eastern Texas and southeastern Arkansas. It also lives along the lower Ohio River Valley in Kentucky, Indiana, and Illinois. In Texas this species occurs westward to the Pineywoods region of East Texas. Roosts in a variety of shelters including caves, mines, bridges, buildings, culverts, and tree hollows. It prefers oak-hickory to mixed conifer-hardwood habitats and is often associated with human habitations near streams or lakes (TPWD, 2017a).	Suitable roosting habitat not anticipated in the Liquefaction or Texas Connector Projects area. This species likely uses the Liquefaction and Texas Connector Projects area for foraging habitat. Therefore, the projects may affect this species through reducing quality and/or availability of habitat.
Alligator snapping turtle ^f <i>Macrochelys temminckii</i>	T – JE, OR	Liquefaction Texas Connector Louisiana Connector	In North America, the distribution includes much of the Mississippi River Valley (known historically as far north as Iowa and Illinois) and adjacent drainages of the southeastern United States. Frequents the bottom of rivers, lakes, sloughs, swamps and bayous (Herps of Texas, 2017a).	Suitable habitat for this species is found in all Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Northern scarlet snake ^d <i>Cemophora coccinea copei</i>	T – JE, OR	Liquefaction Texas Connector	Found from New Jersey, along the Atlantic Coast to Florida, and west to Texas and Oklahoma. Prefer soft, sandy or loamy soils for burrowing, occurring in forested areas as well as open areas such as agricultural fields and along borders of swamps and stream banks (Herps of Texas, 2017b).	Suitable habitat for this species is found in the Texas Connector Project area. Therefore, project may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
*Texas horned lizard ^d <i>Phrynosoma cornutum</i>	T – JE, OR	Liquefaction Texas Connector	Found from Kansas to Louisiana through Texas to New Mexico and northern Mexico. Prefers warm, sandy, arid environments and is typically found in flat, open areas with little vegetation. Breeding occurs in late spring upon emergence from hibernation. Females lay eggs in burrows (Herps of Texas, 2017c).	Suitable habitat for this species is not present in the Liquefaction or Texas Connector Projects area.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Timber rattlesnake ^d <i>Crotalus horridus</i>	T – JE, OR	Liquefaction Texas Connector Louisiana Connector	Found in upland woods and rocky ridges in the eastern United States; the eastern third of Texas. Prefers moist lowland forests and hilly woodlands or thickets near permanent water sources such as rivers, lakes, ponds, streams and swamps where tree stumps, logs and branches provide refuge. They do not lay eggs; instead eggs are kept inside female's body until ready to hatch (TPWD, 2017a).	Suitable habitat for this species is found in the Liquefaction and Texas Connector Projects area. Therefore, these projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Texas diamondback terrapin ^{d, f} <i>Malaclemys terrapin littoralis</i>	R – JE, OR RH - CA	Liquefaction Texas Connector Louisiana Connector	Found along the Atlantic and Gulf Coast shores of the United States, from Texas to Cape Cod and lives exclusively in brackish water, being the only turtle found in estuaries and saltwater marshes. Mating occurs in spring, and females nest in lightly vegetated, gently sloping shorelines above the high tide line (Herps of Texas, 2017d).	Suitable habitat for this species is found in the Liquefaction and Texas Connector Projects area. Therefore, these projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Bay skipper ^{d, f} <i>Euphyes bayensis</i>	R – JE	Liquefaction Texas Connector Louisiana Connector	Lives only in tidal sawgrass marshes in Mississippi and Texas. Larval hostplant is unconfirmed but is likely sawgrass (<i>Cladium</i> sp.). There are two distinct flight periods, in late May and September. The separation between these suggests that the larvae may aestivate between the two, as well as hibernate during the winter. Both aestivation and hibernation are done as larvae, probably in the third or fourth instar (Vaughan and Shepherd, 2005).	Suitable habitat for this species is found in the Texas Connector Project area. Therefore, the project may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
Southern crawfish frog ^{d, f} <i>Lithobates areolatus</i>	R – JE	Liquefaction Texas Connector Louisiana Connector	Found in eastern Oklahoma and Texas, as well as in western Louisiana. In Texas, found in scattered populations across the eastern third of the state. Habitat includes abandoned crawfish holes, small mammal burrows, and storm sewers. Nocturnal and rarely seen outside of burrows except during breeding season. Egg masses are laid in shallow water (Herps of Texas, 2017e).	Suitable habitat for this species is found in the Texas Connector Project area. Therefore, the project may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
*Chapman's orchid ^d <i>Platanthera chapmanii</i>	R – JE, OR	Liquefaction Texas Connector	Found in open wet meadows and savannas in the southern U.S., pine flatwoods, as well as in roadside ditches and on hillside seeps (Goedeke et al., 2015).	Suitable habitat for this species does not occur in the Texas Connector Project area. Therefore, impacts on this species are not expected.
Awnless bluestem ^{d, f} <i>Bothriochloa exaristata</i>	R – JE	Liquefaction Texas Connector Louisiana Connector	Found only along upper Gulf Coast from Brazoria and Fort Bend Counties northward, mostly in heavy, moist, black, clayey soils (Hatch et al., 1999).	Suitable habitat for this species is found in the Liquefaction and Texas Connector Projects area; however, individuals were not observed within the Projects area. Therefore, no direct impacts on this species are expected.
Large beakrush ^d <i>Rhynchospora macra</i>	R – JE	Liquefaction Texas Connector	Range includes Georgia, Florida panhandle to eastern Texas. Found in bogs and wet pine savannas and flatwoods (Godfrey and Wooten, 1979).	Suitable habitat for this species is found in the Texas Connector Project area; however, individuals were not observed during surveys and, therefore, no direct impacts on this species are expected.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Long-sepaled false dragon-head ^d <i>Physostegia</i> <i>longisepala</i>	R – OR	Texas Connector	Range includes West Gulf Coastal Plain of Louisiana and Texas in Hardin, Jasper, Newton, Orange, and Tyler Counties (Poole et al., 2007). Inhabits wet woods and ditches (Neyland, 2009).	Suitable habitat for this species is found in the Texas Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Gayfeather ^e <i>Liatris punctata</i>	R - CAL	Louisiana Connector	Native to North America, where it occurs throughout the plains of central Canada, the central United States, and northern Mexico. Habitat includes loess hills and prairies; prefers well-drained, sandy, calcareous soils (LBJWC, 2016).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Purple false-foxglove ^e <i>Agalinis filicaulis</i>	R – AL, BE, CAL	Louisiana Connector	Range includes Alabama, Florida, Louisiana, and Mississippi. Inhabits wet longleaf pine flatwoods savannahs and hillside seepage bogs (LDWF, 2017b).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Salt flat-grass ^e <i>Monanthochloe littoralis</i>	R – CAM	Louisiana Connector	Range includes California, Florida, Louisiana, Texas, Mexico, and Cuba. Inhabits coastal saline mud flats and salt marshes on bay shores and behind beaches (LDWF, 2017b).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Silveus dropseed ^e <i>Sporobolus silveanus</i>	R – BE, CAL	Louisiana Connector	Occurs in Louisiana and Texas. Inhabits wet or sandy soils in pinewoods or on blackland prairies(LBJWC, 2010).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Thyme-leaf pinweed ^e <i>Lechea minor</i>	R – CAL	Louisiana Connector	In dry open grounds, in eastern Massachusetts to Michigan, south to Florida and Louisiana. Habitat includes full sun in dry, sandy woods, clearings, roadside banks (NatureServe, 2017).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.
Woolly plantain ^e <i>Plantago patagonica</i>	R – AL	Louisiana Connector	Native to much of North America and grows in many types of habitats including grassland and woodlands (USGS, 2018).	Suitable habitat for this species is found in the Louisiana Connector Project area; however, individuals were not observed during surveys. Therefore, no direct impacts on this species are expected.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Smalltooth sawfish ^d <i>Pristis pectinata</i>	E – JE	Liquefaction	Once prevalent throughout Florida and were commonly encountered from Texas to North Carolina. Currently, smalltooth sawfish can only be found with any regularity in south Florida between the Caloosahatchee River and the Florida Keys. Juvenile smalltooth sawfish generally inhabit the shallow coastal waters of bays, banks, estuaries, and river mouths, particularly shallow mud banks and mangrove habitats. Larger animals can be found in the same habitat but are also found offshore at depths up to at least 122 meters (NMFS, 2009).	Suitable habitat for this species is found in the Liquefaction Project area; however, this species is unlikely to be present in the Liquefaction Project area. Therefore, impacts on this species are not expected.
American eel ^{d, f} <i>Anguilla rostrata</i>	R – JE, OR	Liquefaction Texas Connector Louisiana Connector	American eels can live in the saltwater Gulf, brackish coastal marshes or freshwater rivers and streams (TPWD, 2017c). Distribution in Texas includes Red River (from the mouth upstream to and including the Kiamichi River), Sabine Lake (including minor coastal drainages west to Galveston Bay), Galveston Bay (including minor coastal drainages west to mouth of Brazos River), Brazos River, Colorado River, San Antonio Bay (including minor coastal drainages west of mouth of Colorado River to mouth of Nueces River), Nueces River (Hassan-Williams and Bonner, 2007).	Suitable habitat for this species is found in the Liquefaction and Texas Connector Projects area. Therefore, the projects may affect this species through reducing quality and/or availability of habitat. Direct mortality of individuals during construction activities is also possible.
*Ironcolor shiner ^d <i>Notropis chalybaeus</i>	R – OR	Texas Connector	Found only in northeastern streams from the Sabine to the Red River apart from an isolated population found in the San Marcos River headwaters. Distribution in Texas includes the following drainage units: Red River (from the mouth upstream to and including the Kiamichi River), Sabine Lake (including minor coastal drainages west to Galveston Bay), San Antonio Bay (including minor coastal drainages west of mouth of Colorado River to mouth of Nueces River). Commonly inhabits small to medium sized streams that drain pine woodlands (Hassan-Williams and Bonner, 2007).	Suitable habitat for this species does not occur in the Texas Connector Project area. Therefore, impacts on this species are not expected.
Old prairie crawfish ^e <i>Fallicambarus macneesei</i>	R – CAL, STL	Louisiana Connector	This species is known from four localities in Calcasieu and Lafayette Parishes, and has recently been found in Jefferson Davis, Acadia, and St. Landry Parishes, Louisiana. This freshwater species is a primary burrower in temporary road side ditches with heavy alluvial clay substrates (Crandall and Johnson, 2010).	Species may occur in the Louisiana Connector Project area. See section 4.7.4 for a discussion of impacts on this species.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
Louisiana pigtoe ^d <i>Pleuroberema riddellii</i>	T – JE, OR	Liquefaction Texas Connector	Ranged from eastern Texas drainages into Louisiana but has been exceptionally rare in recent decades. Since the mid-1990s, small numbers of living specimens have been found in the Neches River and some of its tributaries and the Angelina River. Inhabits streams and moderate sized rivers usually with flowing water atop substrates of mud, sand, and gravel (TPWD, 2009).	Species may occur in waterbodies crossed by the Texas Connector Project. See section 4.7.4 for a discussion of impacts on this species.
Sandbank pocketbook ^{d,e} <i>Lampsilis satura</i>	T – JE, OR R – AL, BE, CAL	Liquefaction Texas Connector Louisiana Connector	Known from southern portions of the Mississippi interior basin and western Gulf drainages of Arkansas, Mississippi, Louisiana, and Texas, considered rare in all states from which it has been recorded. Observed in east Texas, south of Sulfur through the San Jacinto River basin as well as in the Neches River. Inhabits small to large rivers with moderate flows and swift currents atop gravel, gravel-sand, and sand substrates (TPWD, 2009).	Species may occur in waterbodies crossed by the Texas Connector and Louisiana Connector Projects. In Louisiana, suitable habitat occurs within Ouski Chitto Creek; however, impacts on this species would be minimized by use of the HDD crossing method at this waterbody. See section 4.6.2.2 regarding potential impacts due to inadvertent release of drilling mud during HDD. See section 4.7.4 for a discussion of impacts on this species.
*Southern hickorynut ^d <i>Obovaria jacksoniana</i>	T – JE, OR	Liquefaction Texas Connector	If the species still occurs in Texas at all, it may only persist on Village Creek. Observed in the Neches, Sabine, and Cypress River basins. Inhabits waterways with low to moderate currents atop medium sized gravel substrates (TPWD, 2009).	Suitable habitat for this species does not occur in the Texas Connector Project area. Therefore, impacts on this species are not expected.
Texas heelsplitter ^d <i>Potamilus amphichaenus</i>	T – JE, OR	Liquefaction Texas Connector	Restricted to the Sabine, Neches, and Trinity rivers of Texas. Inhabits waterways with low to moderate currents atop medium sized gravel substrates (TPWD, 2009).	Species may occur in waterbodies crossed by the Texas Connector Project. See section 4.7.4 for a discussion of impacts on this species.
*Texas pigtoe ^d <i>Fusconaia askewi</i>	T – JE, OR	Liquefaction Texas Connector	A regional endemic limited to a relatively small area in Texas and Louisiana, including the Trinity River above Lake Livingston, a tributary of the West Branch San Jacinto River, and the Sabine River above Toledo Bend Reservoir. Inhabits rivers with mixed mud, sand, and fine gravel substrate. This species is associated with protected areas that have fallen trees or other structures (TPWD, 2009).	Suitable habitat for this species does not occur in the Texas Connector Project area. Therefore, impacts on this species are not expected.
*Triangle pigtoe ^d <i>Fusconia lananensis</i>	T – JE, OR	Liquefaction Texas Connector	Endemic to the Neches and San Jacinto Rivers and Village Creek in eastern Texas, but extant populations are limited, and the ecological security of most occupied sites is marginal (TPWD, 2009). Inhabits rivers with mixed mud, sand, and fine gravel substrate (Howells, et al., 1996).	Suitable habitat for this species does not occur in the Texas Connector Project area. Therefore, impacts on this species are not expected.

APPENDIX P (cont'd)

State-listed and Rare Species Potentially Occurring in the Vicinity of the Projects

Common Name <i>Scientific Name</i>	State Status ^a Parish/County ^b	Project Components	Range/Habitat	Potential Impact
^a	State status includes: Endangered (E), Threatened (T), Rare (R), Restricted Harvest (RH).			
^b	Parishes/counties include Cameron (CAM), Calcasieu (CAL), Beauregard (BE), Allen (AL), Evangeline (EV), and St. Landry (STL) parishes, Louisiana; Jefferson (JE) and Orange (OR) Counties, Texas.			
^c	Species protected under the Migratory Bird Treaty Act (see section 4.5.3).			
^d	Species identified as potentially occurring within the Texas Connector Project area by TPWD (letter dated May 9, 2016).			
^e	Species identified as potentially occurring within the Louisiana Connector Project area by LDWF (letter dated June 12, 2017).			
^f	Species identified as potentially occurring within the Louisiana Connector Project area by TPWD (letter dated May 8, 2017).			

APPENDIX Q

**ROADS AND RAILROADS CROSSED BY THE
TEXAS CONNECTOR AND LOUISIANA
CONNECTOR PROJECTS**

APPENDIX Q

Roads and Railroads Crossed by the Texas Connector and Louisiana Connector Projects

Milepost	Road/Railroad Name	Roadway Type	Crossing Method
TEXAS CONNECTOR PROJECT			
Southern Pipeline			
0.2	Unnamed/AR-S-1	Unpaved	HDD
2.2	Unnamed/ AR-S-2	Unpaved	HDD
3.2	State Hwy 87, Dowling Rd., S. 8th St., S. Gulfway Dr.	Paved	HDD
3.6	Unnamed/AR-S-4	Unpaved	HDD
5.0	Unnamed/AR-S-6	Unpaved	Push
7.3	Unnamed facility road/ AR-S-7	Unpaved	HDD
7.5	Unnamed facility road/ AR-S-8	Unpaved	Bore
Northern Pipeline			
1.8	Unnamed access /two track	Unpaved	HDD
2.4	Unnamed access /two track	Unpaved	HDD
5.3	Unnamed access /two track	Unpaved	HDD
5.6	Unnamed access /two track	Unpaved	HDD
6.0	Unnamed / AR-N-2	Unpaved	HDD
7.2	Unnamed/AR-N-3	Unpaved	Push
7.9	Unnamed/ AR-N-3	Unpaved	Open Cut
7.9	Unnamed/ AR-N-4	Unpaved	Open Cut
8.3	State Hwy 73	Paved	HDD
8.3	State Hwy 73/HO Mills Hwy	Paved	HDD
8.8	Unnamed access /two track	Unpaved	HDD
10.3	Unnamed access /two track	Unpaved	HDD
10.5	Unnamed access /two track	Unpaved	HDD
10.6	Unnamed access /two track	Unpaved	HDD
10.8	Unnamed access /two track	Unpaved	HDD
10.9	Unnamed access /two track	Unpaved	HDD
10.9	Unnamed access /two track	Unpaved	HDD
11.6	Unnamed access /two track /AR-N-9	Unpaved	HDD
11.7	Hwy 365/FM 365 Rd.	Paved	HDD
12.0	Unnamed access /two track	Unpaved	HDD
12.4	Unnamed/AR-N-10	Unpaved	Open Cut
13.1	Unnamed access/two track	Unpaved	HDD
13.1	Unnamed access/two track	Unpaved	HDD
13.2	Unnamed access/two track	Unpaved	HDD
14.8	Unnamed/ AR-N-14	Unpaved	Bore
15.3	Knauth Rd	Paved	Bore
15.3	Knauth Rd.	Paved	Bore
15.7	Unnamed/AR-N-15	Unpaved	Open cut
17.1	Hebert Rd.	Paved	Bore
17.4	Unnamed/AR-N-16	Unpaved	Open cut
17.6	State Spur 93	Paved	HDD
17.6	W Port Arthur Rd/State Spur 93	Paved	HDD
17.7	Unnamed	Unpaved	HDD
17.7	Unnamed access/two track	Unpaved	HDD
17.8	Unnamed access/two track	Unpaved	HDD
18.8	Unnamed/ AR-N-18	Unpaved	HDD
19.3	Unnamed/ AR-N-19	Unpaved	Open Cut
19.4	Unnamed	Unpaved	Open Cut

APPENDIX Q (cont'd)

Roads and Railroads Crossed by the Texas Connector and Louisiana Connector Projects

Milepost	Road/Railroad Name	Roadway Type	Crossing Method
19.7	Unnamed	Unpaved	Open Cut
19.8	Unnamed access/two track	Unpaved	HDD
20.0	Unnamed access/two track	Unpaved	HDD
20.1	Unnamed	Unpaved	HDD
20.3	Sulphur Plant Rd.	Paved	HDD
20.3	Sulphur Plant Rd	Paved	HDD
20.3	US Hwy 69	Paved	HDD
20.3	US Hwy 287	Paved	HDD
20.3	US Hwy 69	Paved	HDD
20.3	US Hwy 96	Paved	HDD
20.3	US Hwy 287	Paved	HDD
20.4	US Hwy 69 Access Rd.	Paved	HDD
20.3	Hwy 69 Access Rd.	Paved	HDD
20.4	State Hwy 347	Paved	HDD
20.4	State Hwy 347	Paved	HDD
20.4	State Hwy 347	Paved	HDD
20.4	State Hwy 347	Paved	HDD
20.4	Hwy 380 Access Rd.	Paved	HDD
20.4	Highway 380 Access Rd.	Paved	HDD
20.8	Unnamed	Paved	HDD
22.4	Unnamed/ AR-N-24	Unpaved	HDD
23.5	Unnamed/ AR-N-25	Unpaved	HDD
26.4	S Mansfield Ferry Rd	Paved	Bore
26.4	S. Mansfield Ferry Rd.	Paved	Bore
FGT Lateral			
0.3	S. Main St/FM 105	Paved	Bore
0.5	Byron Rd.	Unpaved	Open Cut
1.0	Unnamed	Unpaved	HDD
1.2	Unnamed/ AR-FGT-2	Unpaved	HDD
1.8	S. Main St./FM 105/AR-FGT-3	Paved	Bore
TETCO Lateral			
0.0	S. Mansfield Ferry Rd.	Paved	Bore
HPL Lateral			
0.1	S. Mansfield Ferry Rd.	Paved	Bore
0.1	S. Mansfield Ferry Rd	Paved	Bore
GTS Lateral			
0.4	Unnamed access/two track	Unpaved	Open Cut
0.7	Amco Rd Exn	Unpaved	HDD
0.7	Unnamed facility road	Unpaved	HDD
0.7	Unnamed facility road	Unpaved	HDD
0.8	Unnamed facility road	Unpaved	HDD
1.0	Spindletop Ave.	Unpaved	HDD
NGPL Lateral			
0.0	Unnamed/ AR-S-4	Unpaved	Bore
KMLP Lateral			
0.0	Unnamed facility road	Unpaved	Open Cut
0.1	Unnamed facility road	Unpaved	Open Cut
LOUISIANA CONNECTOR PROJECT			
0.2	State Hwy 87 / S Gulfway Dr	Paved	HDD

APPENDIX Q (cont'd)

Roads and Railroads Crossed by the Texas Connector and Louisiana Connector Projects

Milepost	Road/Railroad Name	Roadway Type	Crossing Method
0.5	State Hwy 82 / Martin Luther King Jr Dr	Paved	HDD
0.7	S Levee Rd	Unpaved	HDD
26.1	Unnamed Rd	Unpaved	Upland
35.1	Gum Cove Rd	Unpaved	Bore
35.8	Unnamed Rd	Unpaved	Open Cut
36.5	Unnamed Rd	Unpaved	Open Cut
36.7	Unnamed Rd	Unpaved	Open Cut
37.6	Unnamed Rd	Unpaved	Open Cut
38.5	Unnamed Rd	Unpaved	Open Cut
38.7	Unnamed Rd	Unpaved	HDD
38.9	Unnamed Rd	Unpaved	HDD
39.9	Unnamed Rd	Unpaved	Open Cut
40.4	Unnamed Rd	Unpaved	HDD
40.7	Charlie Moss Rd	Paved	Bore
40.8	Charlie Moss Rd	Paved	Bore
41.1	Choupique Rd	Paved	Bore
41.2	Unnamed Rd	Unpaved	Open Cut
41.5	Unnamed Rd	Unpaved	Open Cut
42.6	Murl Ellender Rd	Paved	Bore
43.9	John Brannon Rd	Paved	Bore
44.5	State Rte 108	Paved	Bore
45.0	Augie Lyons Rd	Paved	Bore
45.6	W Cotton Vincent Rd	Paved	Bore
45.8	Deere Ln	Paved	Bore
46.6	W Dave Dugas Rd	Paved	Bore
47.6	Walker Rd	Paved	HDD
48.6	Currie Dr	Paved	Bore
50.1	Interstate Hwy 10 (Eastbound)	Paved	HDD
50.1	Interstate Hwy 10 (Westbound)	Paved	HDD
51.3	US Hwy 90 / W Napoleon St	Paved	Bore
51.7	Kim St	Paved	Bore
51.8	Union Pacific Railroad	Railroad	Bore
52.2	W Burton St	Paved	Bore
52.8	Unnamed Rd	Unpaved	Upland
53.1	Unnamed Rd	Unpaved	Open Cut
55.4	W Houston River Rd	Paved	Bore
56.6	Koonce Rd	Paved	Bore
57.4	Unnamed Rd	Unpaved	HDD
57.9	Unnamed Rd	Unpaved	Upland
59.0	Unnamed Rd	Unpaved	Open Cut
59.7	State Rte 27	Paved	HDD
59.9	Bankens Rd	Paved	HDD
59.9	Kansas City Southern Railroad	Railroad	HDD
59.9	Kansas City Southern Railroad	Railroad	HDD
59.9	Kansas City Southern Railroad	Railroad	HDD
61.1	Unnamed Rd	Unpaved	Upland
61.6	Unnamed Rd	Unpaved	Open Cut
63.0	Holbrook Park Rd	Paved	Bore
63.6	Unnamed Rd	Unpaved	Upland

APPENDIX Q (cont'd)

Roads and Railroads Crossed by the Texas Connector and Louisiana Connector Projects

Milepost	Road/Railroad Name	Roadway Type	Crossing Method
64.7	Unnamed Rd	Unpaved	Open Cut
66.1	Unnamed Rd	Unpaved	Open Cut
66.1	Unnamed Rd	Unpaved	Open Cut
68.2	Unnamed Rd	Unpaved	Open Cut
68.4	Parish Rd 125 / Camp Edgewood Rd	Paved	Bore
70.6	US Hwy 171 (Southbound)	Paved	Bore
70.6	US Hwy 171 (Northbound)	Paved	Bore
71.4	Unnamed Rd	Unpaved	Upland
72.6	Parish Rd 138 / Coanie Jackson Rd	Paved	Bore
76.4	Parish Rd 152 / Texas Eastern Rd	Paved	Bore
76.7	Edna Guillery Rd	Unpaved	Open Cut
77.6	Unnamed Rd	Unpaved	Upland
77.9	Unnamed Rd	Unpaved	Upland
79.8	Topsy Bel Rd	Paved	Bore
80.4	Lyles Cemetery Rd	Paved	Open Cut
81.4	Unnamed Rd	Unpaved	Upland
81.5	Unnamed Rd	Unpaved	Upland
81.9	Unnamed Rd	Unpaved	Open Cut
83.0	Lyles St	Paved	Open Cut
85.0	AR-ALL-04	Unpaved	Upland
85.8	Snooky's Rd	Paved	Bore
86.2	Geeter Parker Rd	Unpaved	Open Cut
87.4	Union Pacific Railroad	Railroad	Bore
87.4	US Hwy 190	Paved	Bore
88.1	Parish Rd 105 / Walker Rd	Paved	Bore
89.4	Methodist Camp Rd	Paved	Bore
89.9	Gill Rd	Paved	Open Cut
90.7	Shorty Rawlings Rd	Unpaved	Open Cut
90.8	J Potter Rd	Unpaved	Open Cut
92.6	Carpenters Bridge Rd	Paved	Open Cut
93.1	Rester Rd	Paved	Bore
93.5	Dempsey Langley Rd	Paved	Open Cut
95.7	Green Oak Rd	Paved	Bore
96.4	Green Oak Cemetery Rd	Unpaved	Open Cut
96.9	US Hwy 165 (Southbound)	Paved	HDD
96.9	US Hwy 165 (Northbound)	Paved	HDD
96.9	Union Pacific Railroad	Railroad	HDD
97.0	Botley Cemetery Rd	Paved	Open Cut
97.7	Botley Cemetery Rd	Unpaved	Open Cut
98.0	Unnamed Rd	Unpaved	Open Cut
99.8	Parish Rd 4-190E / Lauderdale Woodyard Rd	Paved	Bore
101.2	Unnamed Rd	Unpaved	Upland
101.8	Unnamed Rd	Unpaved	Upland
102.3	Unnamed Rd	Unpaved	Upland
102.9	Parish Rd 193 / Powell Rd	Paved	Bore
103.5	Ethel Williams Rd	Paved	Bore
103.6	Lafleur Rd	Unpaved	Open Cut
104.9	Bel Oil Rd	Paved	Bore
106.0	State Rte 26	Paved	Bore

APPENDIX Q (cont'd)

Roads and Railroads Crossed by the Texas Connector and Louisiana Connector Projects

Milepost	Road/Railroad Name	Roadway Type	Crossing Method
107.0	Miller Rd	Unpaved	Open Cut
108.0	Briscoe Rd	Paved	Bore
110.3	Hunter Rd	Paved	HDD
110.9	Unnamed Rd	Unpaved	Upland
111.5	L'anse de Haissable Rd	Unpaved	Open Cut
112.2	Ruby Rd	Unpaved	Open Cut
113.2	Unnamed Rd	Unpaved	Open Cut
113.3	Unnamed Rd	Unpaved	Open Cut
113.4	L'anse aux Vaches Rd	Unpaved	Open Cut
114.1	State Rte 3277 / George Soileau Rd	Paved	Bore
114.7	Lucky Ln	Unpaved	Open Cut
115.7	Valentine Rd	Unpaved	Open Cut
116.8	Emery Rd	Unpaved	Open Cut
117.3	McClelland Rd	Paved	Bore
117.6	Unnamed Rd	Unpaved	Open Cut
117.8	Plenny Rd	Unpaved	Open Cut
120.9	State Rte 13	Paved	Bore
121.2	Unnamed Rd	Unpaved	Upland
121.7	Parish Rd 6-275 / Soileau Rd	Paved	Bore
121.8	Unnamed Rd	Unpaved	Open Cut
122.0	Parish Rd 6-280 / Bobby Rd	Unpaved	Open Cut
122.4	Unnamed Rd	Unpaved	Upland
123.5	Parish Rd 6-270 / Carl Loewer Rd	Paved	Bore
123.7	State Rte 29	Paved	Bore
125.0	Rougeau Rd	Unpaved	Open Cut
125.5	Parish Rd 6-265-1 / Brown Rd	Unpaved	Open Cut
125.8	State Rte 758	Paved	Bore
127.5	State Rte 95 / Etienne Rd	Paved	Bore
129.6	Parish Rd 6-110 / Joe W Rd	Unpaved	Open Cut
130.1	Parish Rd 6-105 / Belleau Rd	Unpaved	Open Cut
130.6	Parish Rd 6-90-1 / Pitre Ln	Paved	Bore
Egan Lateral			
0.0	L'anse aux Vaches Rd	Unpaved	Upland
Pine Prairie Tie-in #1			
0.0	Lucky Ln	Unpaved	Upland
Pine Prairie Tie-in #2			
0.0	Lucky Ln	Unpaved	Upland

APPENDIX R

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Appendix R

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APPENDIX S

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Appendix S

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