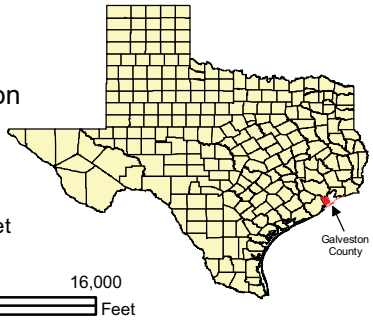
Legend

Project Location



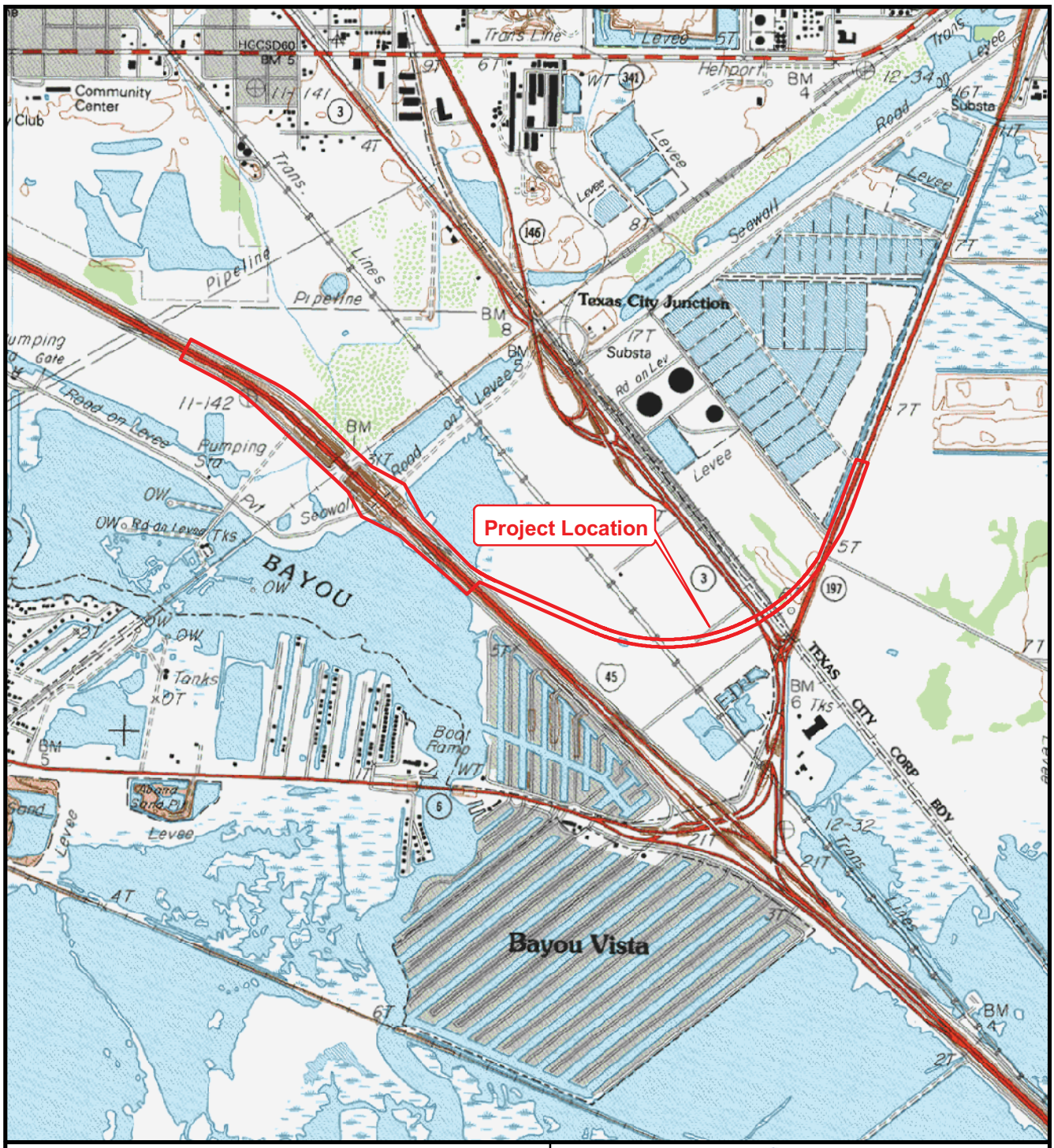
Scale: 1:96,000
1 inch equal 8,000 feet

0 4,000 8,000 16,000 Feet

Texas Department of Transportation

Exhibit A
Project Location
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\460122_09\projects\EA_Maps\Exhibit_A_Proj_Loc.mxd January 2006

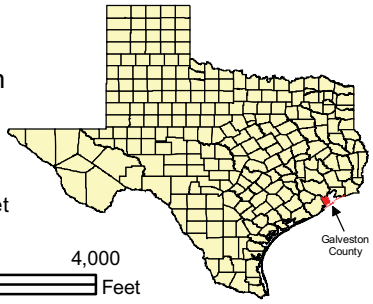


Legend

Project Location

Scale: 1:24,000
1 inch equal 2,000 feet

0 1,000 2,000 4,000 Feet



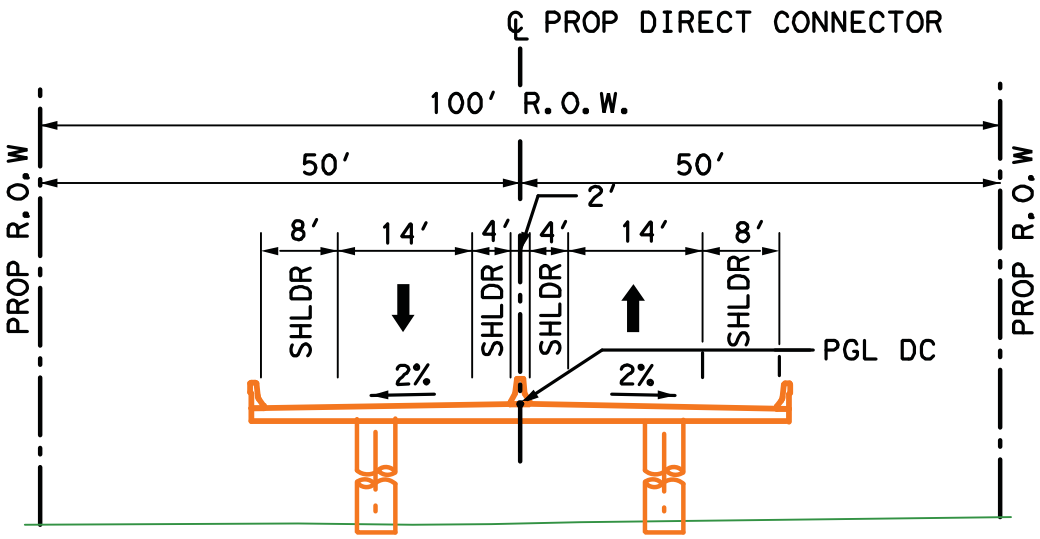
Source: Virginia Point, Texas USGS 7.5' Quadrangle, Galveston County

Texas Department of Transportation

Exhibit B
Topographic Map
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\460122_09\Projects\EA_Maps\Exhibit_B_Topo.mxd

January 2006



SECTION D-D

© 2006 TxDOT

Texas Department of Transportation

EXHIBIT C

TYPICAL SECTION
LP 197 DIRECT CONNECTORS
GALVESTON, COUNTY
CSJ: 0500-04-112

SHEET OF

K:\460122.09 IH 45S Texas City Wye\exhibits\143lp*exhibit*C.dgn

K:\460122.09 IH 45S Texas City Wye\exhibits\143lp_exhibit_C.dgn

N

0 300 600 1200

SCALE 1" = 600'

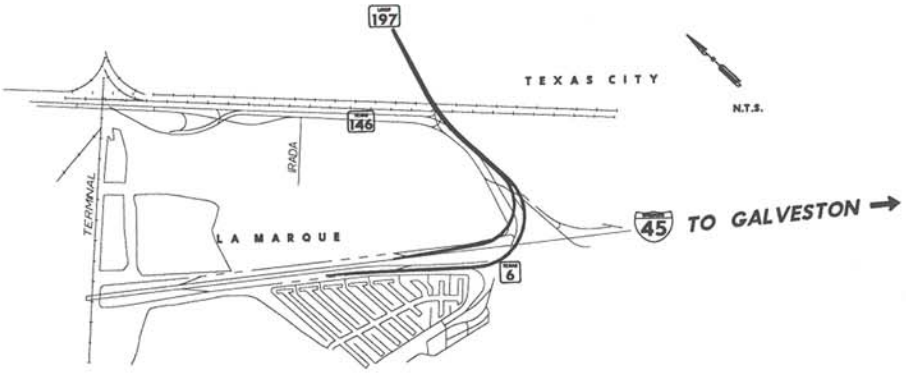
© 2001 TxDOT

Texas Department of Transportation

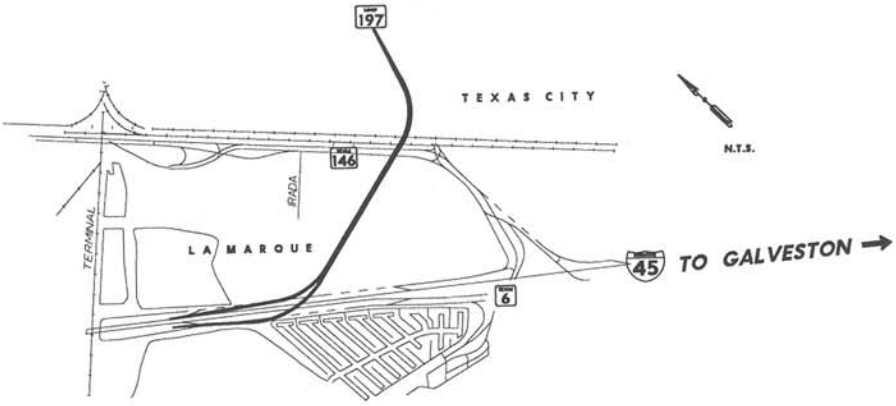
EXHIBIT D

PLAN VIEW
LP 197 DIRECT CONNECTORS
GALVESTON, COUNTY

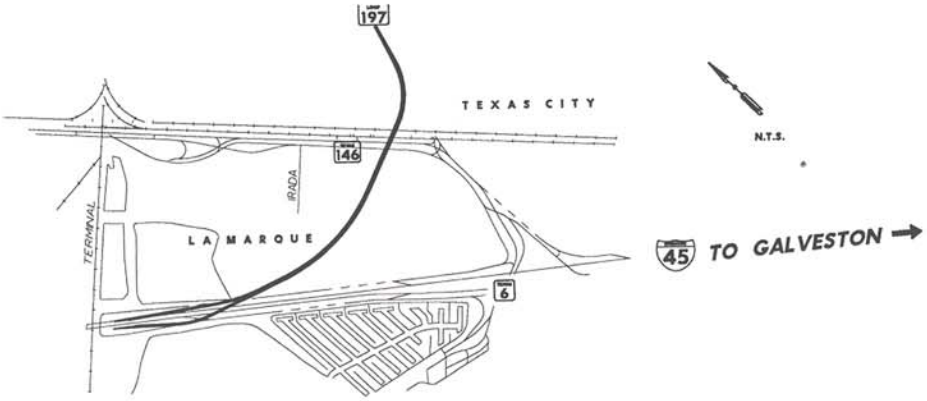
CSJ: 0500-04-112



ALTERNATIVE 1



ALTERNATIVE 2



ALTERNATIVE 3

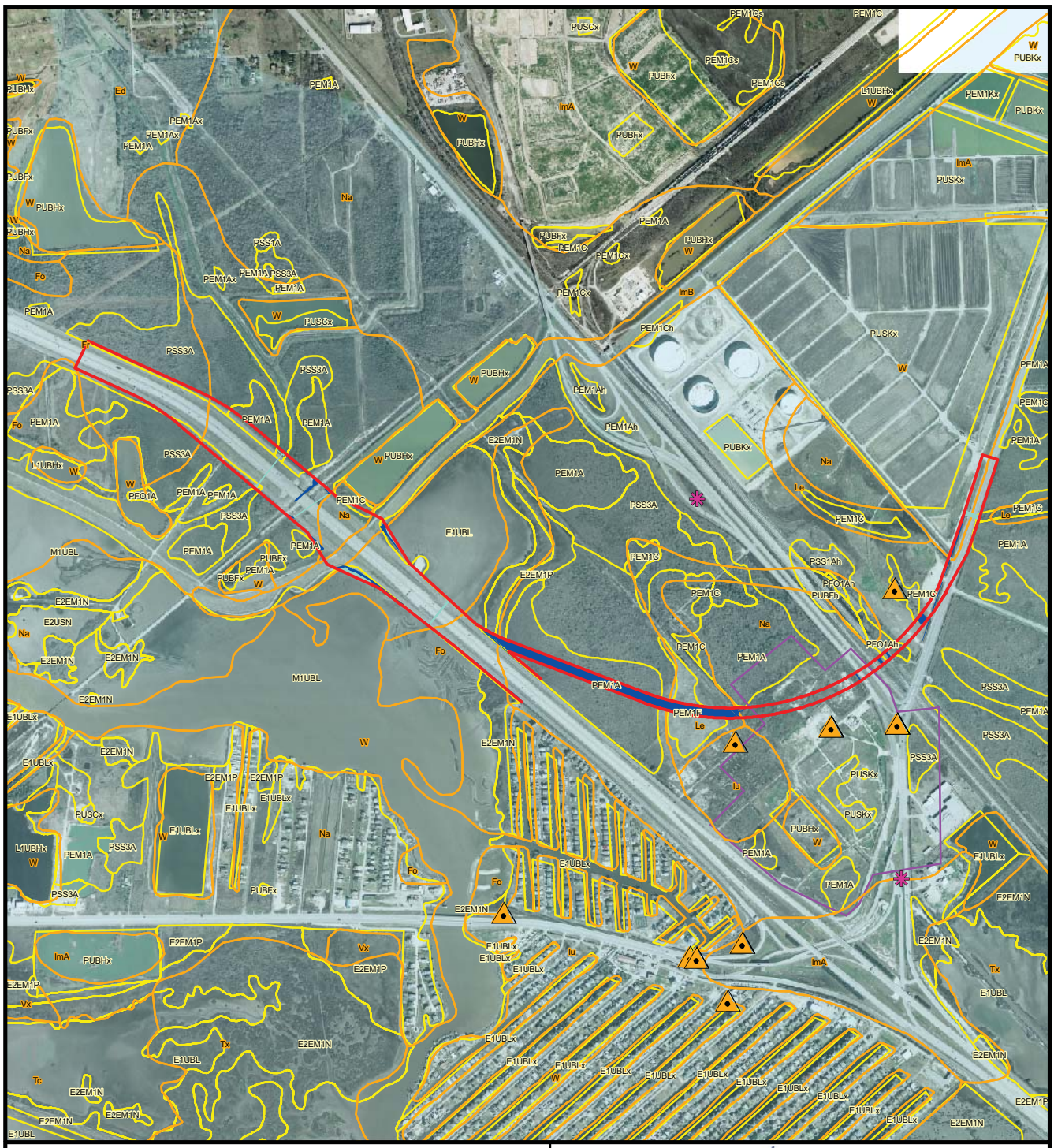
Texas Department of Transportation

Exhibit E

Alternative Alignments Map
LP 197 Direct Connectors
Galveston County, TX
CSJ 0500-04-112

Job No. 460122.09

June 2006



Scale: 1:18,000
1 inch equal 1,500 feet

0 1,000 2,000 Feet

Legend

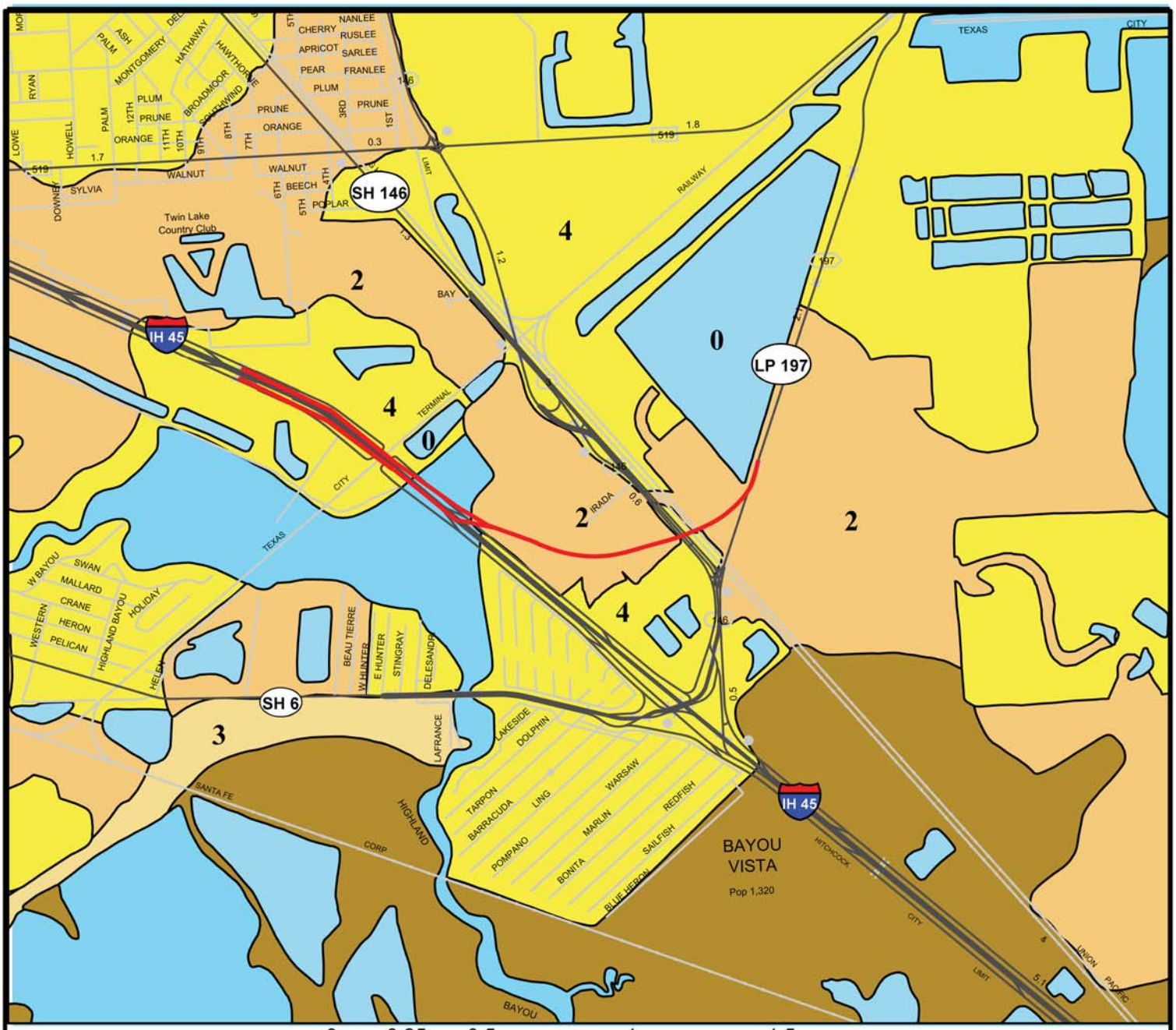
- Project Location
- Recorded Historic Structures
- Hazardous Materials
- MOTCO Suferfund Site
- Waters of the U.S.
- Wetland
- NWI
- SOILS
- 100 Year Floodplain

Texas Department of Transportation

Exhibit F
Environmental Constraints
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\460122_09\projects\lp_197\Exhibit_F_EnvConst.mxd

January 2006



0 0.25 0.5 1 1.5 Miles

AREA_VALUE

- 0 *Water: No Survey Recommended.*
- 1 *Surface Survey Recommended, Deep Reconnaissance Recommended if Deep Impacts are anticipated.*
- 2 *Surface Survey Recommended, No Deep Reconnaissance Recommended.*
- 2a *Surface Survey of Mounds Only, No Deep Reconnaissance Recommended.*
- 3 *No Surface Survey Recommended, Deep Reconnaissance Recommended.if Deep Impacts are Anticipated.*
- 3a *No Surface Survey Recommended, Deep Reconnaissance Recommended only if Severe Impacts are Anticipated.*
- 4 *No Survey Recommended.*

Proposed Direct Connectors

POTENTIAL ARCHEOLOGICAL LIABILITY MAP

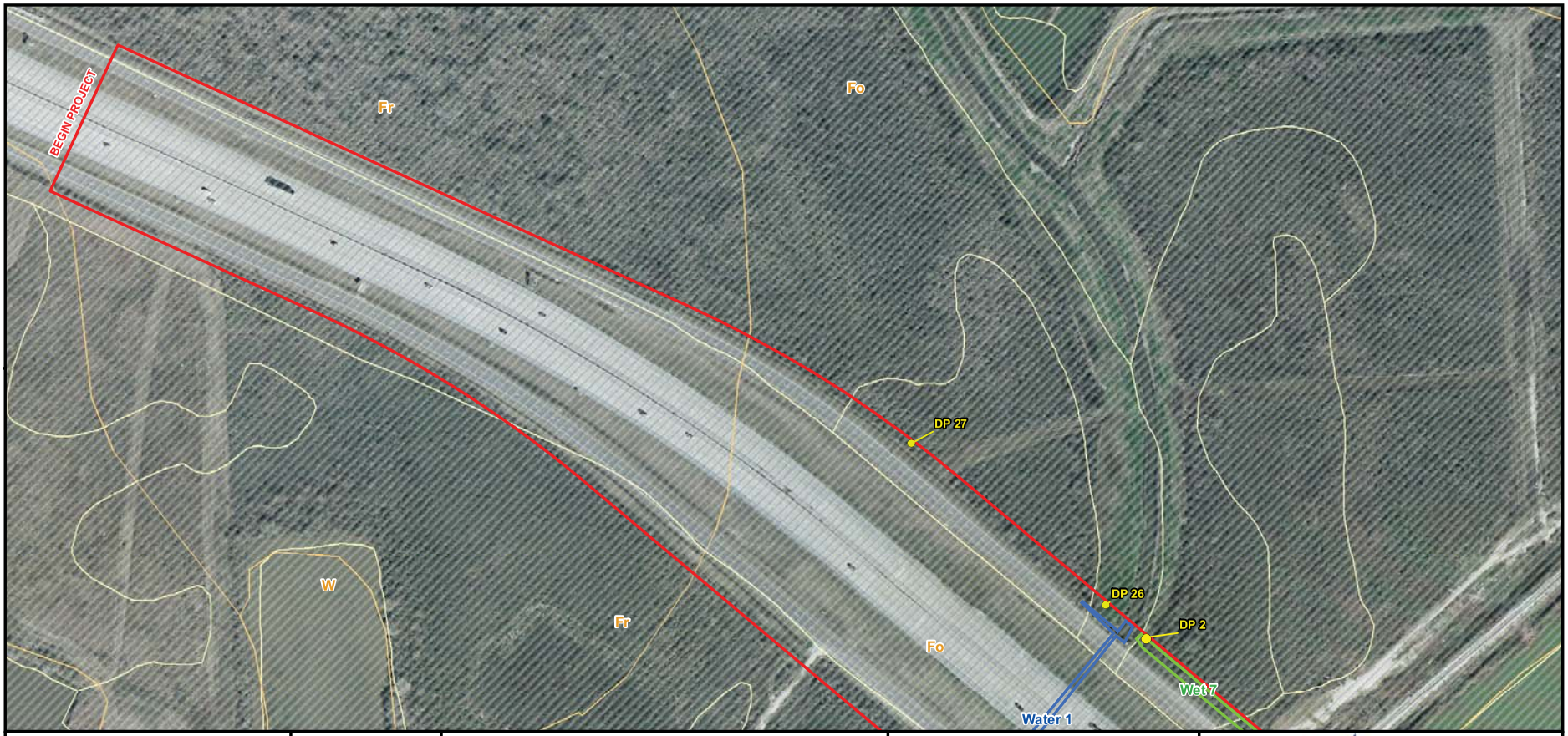
Texas Department of Transportation

Exhibit G

PALM Map
LP 197 Direct Connectors
Galveston County, TX
CSJ 0500-04-112

Job No. 460122.09

June 2006



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Stamp is affixed under Rule 663.23 of the General Rules of Procedures and Practices defined by the Texas Board of Professional Surveying and does not intend to represent a standard or responsibility.
Arthur M. Story, RPLS #4034

STATE OF TEXAS REGISTERED 4034 PROFESSIONAL LAND SURVEYOR ARTHUR M. STORY

ROW Boundary: TxDOT
Wetlands: PBS&J
NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
Wet 1		0.13		5.59
Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Water 1			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

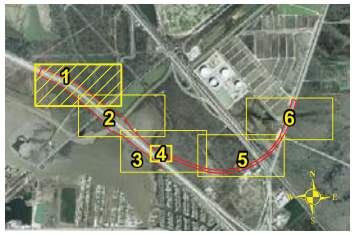
ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
Bayou 1	0.43	0.17		
Bayou 2	0.62	0.59		
Bayou 3	0.16			
Ditch 2		0.02		
Ditch 3				0.12
Ditch 4			0.02	0.28
Ditch 5				0.01

Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 200 feet

1:2,400

0 100 200 400 600 Feet



Texas Department of Transportation

Exhibit H

Sheet 1 of 6

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\Exhibit_H.mxd

September 7, 2006

I hereby certify that the locations of the wetlands, waters of the U.S., and data points shown here are based on an actual on the ground survey, except those as noted, under my supervision, have a positional accuracy of 6 feet or less and are true and correct to the best of my knowledge.

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STATE OF TEXAS REGISTERED ARTHUR M. STORY 4034 PROFESSIONAL LAND SURVEYOR

ROW Boundary: TxDOT
Wetlands: PBS&J
NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
	§ 10		§ 404	
	water	wetland	water	wetland
Wet 1		0.13		5.59
Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Water 1			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

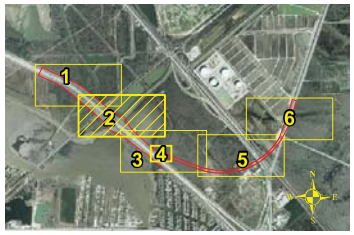
ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
Bayou 1	0.43	0.17		
Bayou 2	0.62	0.59		
Bayou 3	0.16			
Ditch 2		0.02		
Ditch 3				0.12
Ditch 4			0.02	0.28
Ditch 5				0.01

Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 200 feet

1:2,400

0 100 200 400 600 Feet



Texas Department of Transportation

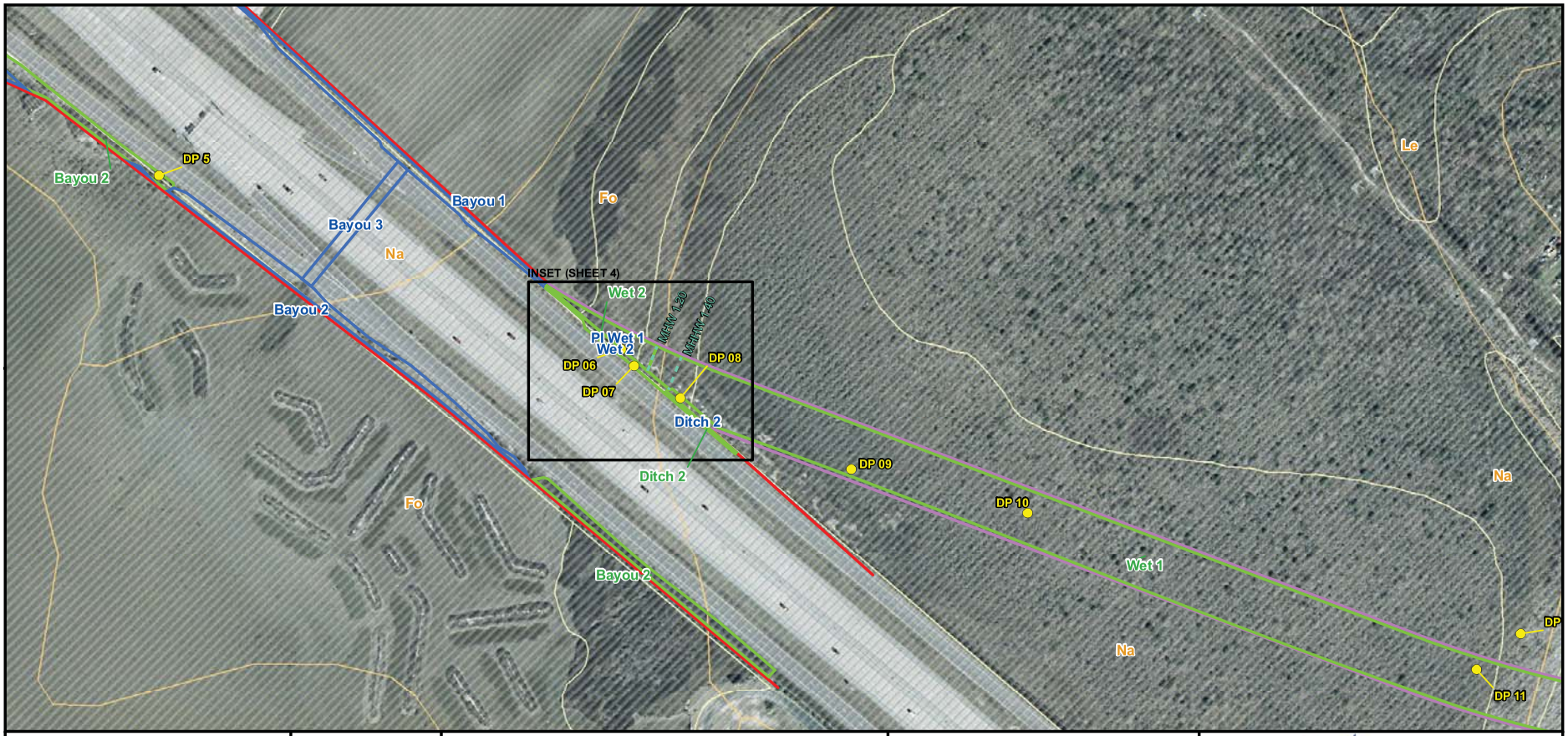
Exhibit H

Sheet 2 of 6

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\Exhibit_H.mxd

September 7, 2006



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ROW Boundary: TxDOT
Wetlands: PBS&J
NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

STATE OF TEXAS REGISTERED 4034 ARTHUR M. STORY PROFESSIONAL LAND SURVEYOR

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
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Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Water 1			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

ID	Acres			
	§ 10		§ 404	
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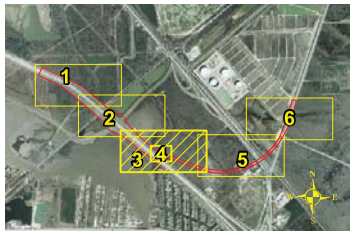
Ditch 4			0.02	0.28
Ditch 5				0.01

Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 200 feet

1:2,400

0 100 200 400 600 Feet



Texas Department of Transportation

Exhibit H

Sheet 3 of 6

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\Exhibit_H.mxd

September 7, 2006

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NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

STATE OF TEXAS REGISTERED ARTHUR M. STORY 4034 PROFESSIONAL LAND SURVEYOR

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
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Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Wet 7			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
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Bayou 3	0.16			
Ditch 2		0.02		
Ditch 3				0.12
Ditch 4			0.02	0.28
Ditch 5				0.01

Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 50 feet 1:600

50 25 0 50 100 Feet

Texas Department of Transportation

Exhibit H

Sheet 4 of 6 (INSET)

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\ExhibitH_Inset.mxd

September 7, 2006

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NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

STATE OF TEXAS REGISTERED ARTHUR M. STORY 4034 PROFESSIONAL LAND SURVEYOR

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
	§ 10		§ 404	
	water	wetland	water	wetland
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Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Water 1			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

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	§ 10		§ 404	
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Ditch 2		0.02		
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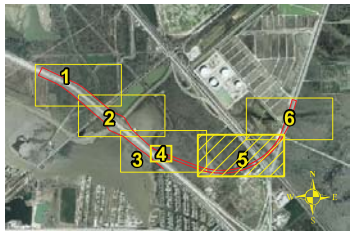
Ditch 4			0.02	0.28
Ditch 5				0.01

Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 200 feet

1:2,400

0 100 200 400 600 Feet



Texas Department of Transportation

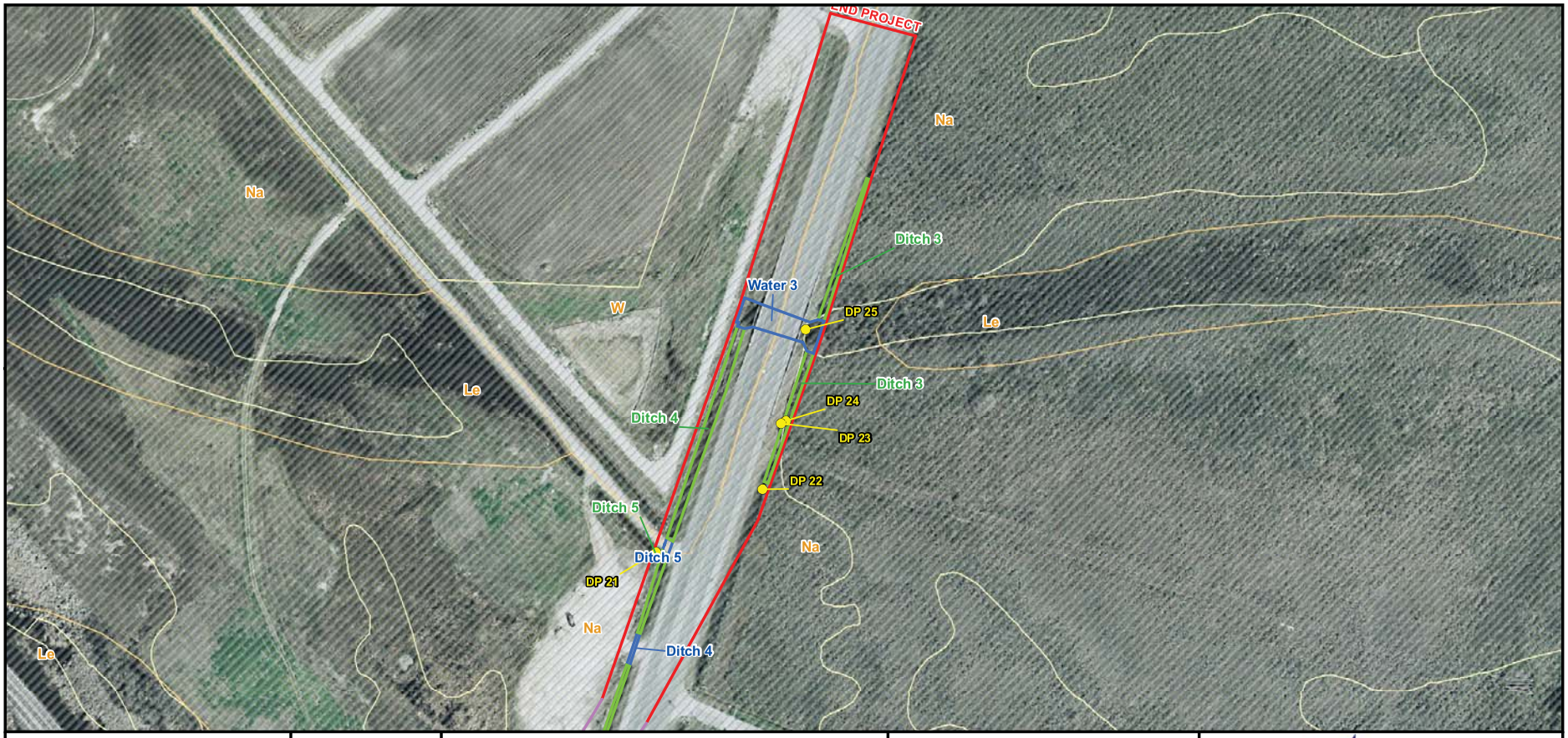
Exhibit H

Sheet 5 of 6

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\Exhibit_H.mxd

September 7, 2006



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NWI Wetlands: USFWS
Soils: NRCS SSURGO
100 Yr Floodplain: FEMA Q3
Aerial Photography: HGAC
Aerial Date: 2004

Projection: State Plane
Datum: NAD 1983
Zone: South Central
Units: Feet

STATE OF TEXAS REGISTERED ARTHUR M. STORY 4034 PROFESSIONAL LAND SURVEYOR

- Data Point
- Wetland Bound Stake
- LP 197 Connector
- Existing ROW
- SSURGO Soil
- MHW / MHHW
- Open Water
- Wetlands
- NWI Wetland

NOTE: Entire area within 100 Year Floodplain

ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
Wet 1		0.13		5.59
Wet 2		0.07		
Wet 3				0.17
Wet 4				0.01
Wet 5				0.04
Wet 6				0.19
Wet 7				0.12
Wet 8				0.15
Water 1			0.16	
Water 3			0.18	
Water 5			0.12	

MHW = 1.20 ft MHHW = 1.40 ft

ID	Acres			
	§ 10		§ 404	
	Water	Wetland	Water	Wetland
Bayou 1	0.43	0.17		
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Ditch 2		0.02		
Ditch 3				0.12
Ditch 4			0.02	0.28
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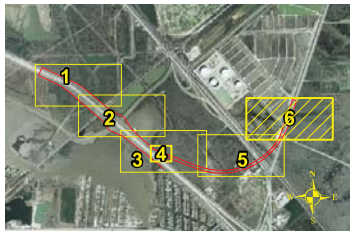
Non-Jurisdictional	Acres
Upland Drainage Ditch 1	0.04
Upland Drainage Ditch 6	0.06
Upland Drainage Ditch 7	0.05
Upland Drainage Ditch 8	0.11

1 inch equals 200 feet

1:2,400

0 100 200 400 600 Feet



Texas Department of Transportation

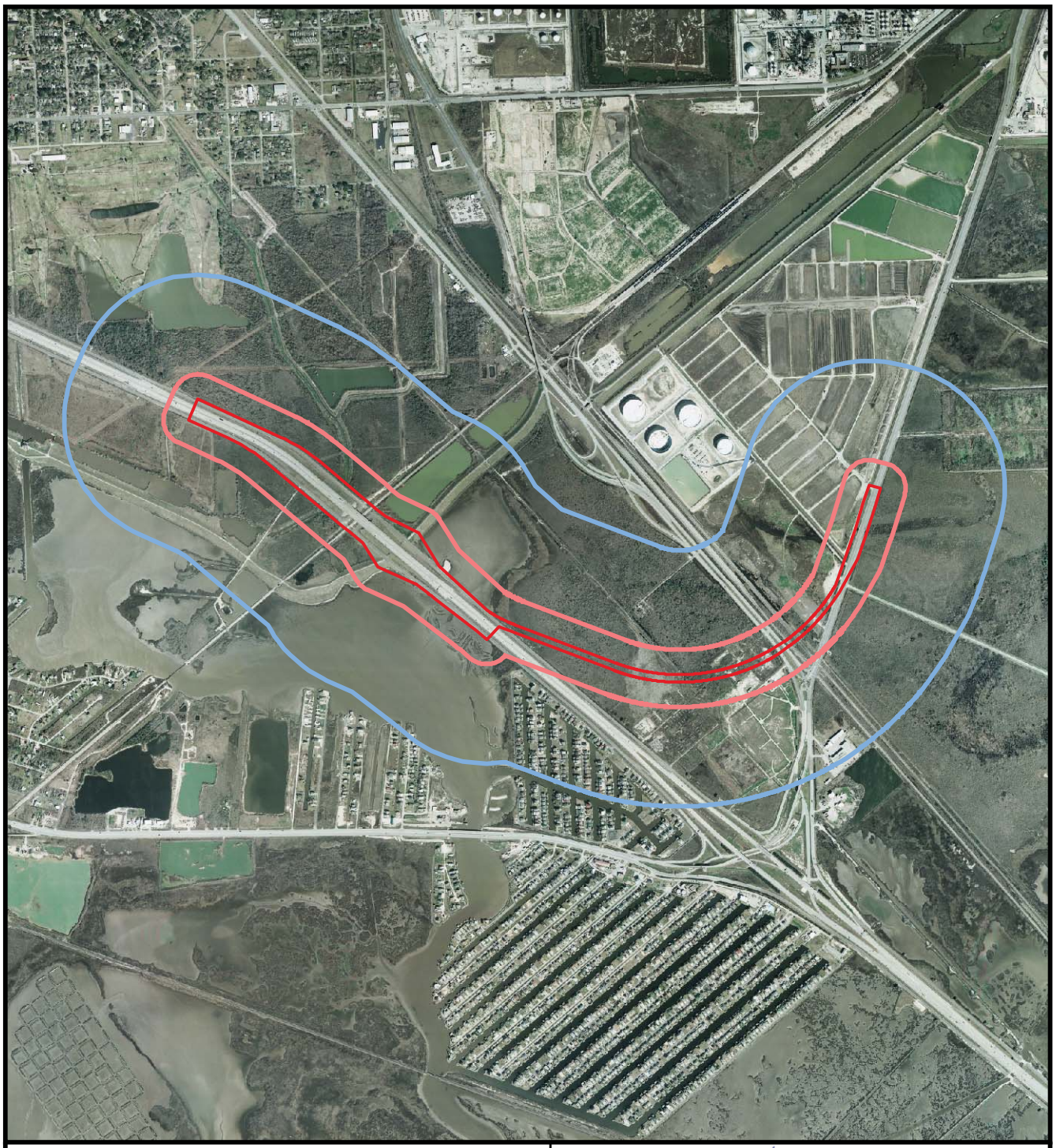
Exhibit H

Sheet 6 of 6

Wetland Delineation Layout
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

N:\ENV\460122_09\Projects\LP_197\Exhibit_H.mxd

September 7, 2006



Legend

Project Location

Distance From ROW

100 Meters

500 Meters

Scale: 1:24,000
1 inch equal 2,000 feet

0 1,000 2,000
Feet

Texas Department of Transportation

Exhibit I
Sensitive Receptors Map
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

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1

LP 197 ROW

Scale: 1:12,000
1 inch equal 1,000 feet

0 1,000 2,000 Feet

Texas Department of Transportation

Exhibit J
Noise Receiver Location Map
LP 197 Direct Connectors
Galveston County, Texas
CSJ: 0500-04-112

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