

APPENDIX D

LOCATIONS OF REQUESTED ALTERNATIVE MEASURES

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TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
1.01	1.12	Cameron	Upland
1.12	1.15	Cameron	Wetland
1.15	1.36	Cameron	Upland
1.36	1.42	Cameron	Wetland
1.42	1.47	Cameron	Upland
1.47	1.48	Cameron	Wetland
1.48	1.51	Cameron	Upland
20.04	20.21	Cameron	Upland
20.21	20.23	Cameron	Wetland
20.23	20.30	Cameron	Upland
20.30	20.31	Cameron	Wetland
20.31	20.38	Cameron	Upland
20.38	20.39	Cameron	Wetland
20.39	20.57	Cameron	Upland
20.57	20.65	Cameron	Wetland
20.65	20.77	Cameron	Upland
20.77	20.78	Cameron	Wetland
20.78	20.80	Cameron	Upland
20.80	20.81	Cameron	Wetland
20.81	20.84	Cameron	Upland
20.84	20.87	Cameron	Wetland
20.87	20.91	Cameron	Upland
20.91	20.97	Cameron	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
20.97	20.99	Cameron	Upland
20.99	21.04	Cameron	Wetland
21.04	21.07	Cameron	Upland
21.07	21.10	Cameron	Wetland
21.10	21.12	Cameron	Upland
21.12	21.14	Cameron	Wetland
23.96	23.97	Cameron	Upland
23.97	24.02	Cameron	Wetland
24.02	24.06	Cameron	Upland
24.06	24.08	Cameron	Wetland
24.08	24.14	Cameron	Upland
24.14	24.25	Cameron	Wetland
24.25	24.28	Cameron	Upland
24.28	24.56	Cameron	Wetland
24.56	24.63	Cameron	Upland
24.63	24.87	Calcasieu	Wetland
24.87	24.89	Calcasieu	Upland
24.89	25.23	Calcasieu	Wetland
26.83	27.03	Calcasieu	Upland
27.03	27.42	Calcasieu	Wetland
27.42	27.55	Calcasieu	Upland
27.55	27.83	Calcasieu	Wetland
27.83	27.84	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
27.84	27.85	Calcasieu	Wetland
27.85	27.88	Calcasieu	Upland
27.88	28.31	Calcasieu	Wetland
28.31	28.32	Calcasieu	Upland
28.32	30.04	Calcasieu	Wetland
30.04	30.09	Calcasieu	Upland
30.09	30.33	Calcasieu	Wetland
35.15	35.64	Calcasieu	Wetland
35.64	35.72	Calcasieu	Upland
35.72	35.74	Calcasieu	Wetland
35.74	35.88	Calcasieu	Upland
35.88	35.89	Calcasieu	Wetland
35.89	35.91	Calcasieu	Upland
35.91	35.92	Calcasieu	Wetland
35.92	35.94	Calcasieu	Upland
35.94	35.99	Calcasieu	Wetland
35.99	36.57	Calcasieu	Upland
36.57	36.59	Calcasieu	Wetland
36.59	36.70	Calcasieu	Upland
36.70	36.71	Calcasieu	Wetland
36.71	36.87	Calcasieu	Upland
36.87	36.88	Calcasieu	Wetland
36.88	36.89	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
36.89	36.94	Calcasieu	Wetland
36.94	37.12	Calcasieu	Upland
37.12	37.17	Calcasieu	Wetland
37.17	37.29	Calcasieu	Upland
37.29	37.32	Calcasieu	Wetland
37.32	37.33	Calcasieu	Upland
37.33	37.34	Calcasieu	Wetland
37.34	37.36	Calcasieu	Upland
37.36	37.37	Calcasieu	Wetland
37.37	37.43	Calcasieu	Upland
37.43	37.44	Calcasieu	Wetland
37.44	37.49	Calcasieu	Upland
37.49	37.50	Calcasieu	Wetland
37.50	37.51	Calcasieu	Upland
37.51	37.56	Calcasieu	Wetland
37.56	37.57	Calcasieu	Upland
37.57	37.58	Calcasieu	Wetland
37.58	37.61	Calcasieu	Upland
37.61	37.62	Calcasieu	Wetland
37.62	37.63	Calcasieu	Upland
37.63	37.88	Calcasieu	Wetland
37.88	37.89	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
37.89	37.96	Calcasieu	Wetland
37.96	37.97	Calcasieu	Upland
37.97	38.23	Calcasieu	Wetland
38.34	38.35	Calcasieu	Wetland
38.35	38.40	Calcasieu	Upland
38.40	38.44	Calcasieu	Wetland
38.44	38.45	Calcasieu	Upland
38.45	38.46	Calcasieu	Wetland
38.46	38.47	Calcasieu	Upland
38.48	38.51	Calcasieu	Wetland
38.51	38.54	Calcasieu	Upland
38.54	38.56	Calcasieu	Wetland
38.56	38.57	Calcasieu	Upland
38.57	38.61	Calcasieu	Wetland
38.61	38.66	Calcasieu	Upland
38.66	38.69	Calcasieu	Wetland
38.69	38.70	Calcasieu	Upland
38.70	38.73	Calcasieu	Wetland
38.73	38.74	Calcasieu	Upland
38.74	38.78	Calcasieu	Wetland
38.78	38.79	Calcasieu	Upland
38.79	38.83	Calcasieu	Wetland
38.83	38.84	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
38.84	38.89	Calcasieu	Wetland
38.89	38.90	Calcasieu	Upland
38.90	38.92	Calcasieu	Wetland
38.92	38.94	Calcasieu	Upland
38.94	39.06	Calcasieu	Wetland
39.06	39.10	Calcasieu	Upland
39.10	39.20	Calcasieu	Wetland
39.20	39.45	Calcasieu	Upland
39.45	39.46	Calcasieu	Wetland
39.46	39.65	Calcasieu	Upland
39.65	39.66	Calcasieu	Wetland
39.66	39.67	Calcasieu	Upland
39.67	39.80	Calcasieu	Wetland
39.80	40.12	Calcasieu	Upland
40.12	40.17	Calcasieu	Wetland
40.17	40.19	Calcasieu	Upland
40.19	40.24	Calcasieu	Wetland
40.24	40.25	Calcasieu	Upland
40.25	40.29	Calcasieu	Wetland
40.29	42.74	Calcasieu	Upland
42.74	42.76	Calcasieu	Wetland
42.76	43.00	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
43.00	43.10	Calcasieu	Wetland
43.10	43.42	Calcasieu	Upland
43.42	43.43	Calcasieu	Wetland
43.43	43.66	Calcasieu	Upland
44.54	44.57	Calcasieu	Upland
44.57	44.96	Calcasieu	Wetland
44.96	45.36	Calcasieu	Upland
45.36	45.86	Calcasieu	Wetland
45.86	45.87	Calcasieu	Upland
45.87	45.88	Calcasieu	Wetland
45.88	46.05	Calcasieu	Upland
46.05	46.68	Calcasieu	Wetland
46.68	46.69	Calcasieu	Upland
46.69	46.96	Calcasieu	Wetland
46.96	46.97	Calcasieu	Upland
46.97	47.01	Calcasieu	Wetland
47.01	47.02	Calcasieu	Upland
47.02	47.38	Calcasieu	Wetland
47.38	47.48	Calcasieu	Upland
47.48	47.51	Calcasieu	Wetland
47.51	47.54	Calcasieu	Upland
47.54	47.75	Calcasieu	Wetland
47.75	47.76	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
47.76	48.06	Calcasieu	Wetland
48.06	48.14	Calcasieu	Upland
48.14	48.23	Calcasieu	Wetland
48.23	48.35	Calcasieu	Upland
48.35	48.46	Calcasieu	Wetland
48.46	48.63	Calcasieu	Upland
48.63	48.66	Calcasieu	Wetland
48.66	48.71	Calcasieu	Upland
48.71	48.90	Calcasieu	Wetland
48.90	49.12	Calcasieu	Upland
49.12	49.13	Calcasieu	Wetland
49.13	49.33	Calcasieu	Upland
49.33	49.34	Calcasieu	Wetland
49.34	49.40	Calcasieu	Upland
49.40	49.42	Calcasieu	Wetland
49.42	49.53	Calcasieu	Upland
51.33	51.74	Calcasieu	Upland
53.08	53.53	Calcasieu	Upland
53.53	53.60	Calcasieu	Wetland
53.60	53.91	Calcasieu	Upland
53.91	54.02	Calcasieu	Wetland
54.02	54.91	Calcasieu	Upland
54.91	55.03	Calcasieu	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
55.03	55.15	Calcasieu	Upland
55.15	55.18	Calcasieu	Wetland
55.18	55.79	Calcasieu	Upland
55.79	55.80	Calcasieu	Wetland
55.80	55.96	Calcasieu	Upland
56.00	56.54	Calcasieu	Upland
56.54	56.55	Calcasieu	Wetland
56.55	57.15	Calcasieu	Upland
57.15	57.23	Calcasieu	Wetland
57.23	57.73	Calcasieu	Upland
57.73	57.92	Calcasieu	Wetland
57.92	58.57	Calcasieu	Upland
58.57	58.59	Calcasieu	Wetland
58.59	59.65	Calcasieu	Upland
59.65	60.02	Calcasieu	Wetland
60.02	60.06	Calcasieu	Upland
60.06	60.21	Calcasieu	Wetland
60.21	60.98	Calcasieu	Upland
60.98	61.26	Calcasieu	Wetland
61.26	62.65	Calcasieu	Upland
62.65	63.02	Calcasieu	Wetland
63.02	63.04	Calcasieu	Upland
63.04	63.23	Calcasieu	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
63.23	66.32	Calcasieu	Upland
66.32	66.68	Calcasieu	Wetland
66.68	66.69	Calcasieu	Upland
66.69	66.91	Calcasieu	Wetland
66.91	66.95	Calcasieu	Upland
66.95	67.36	Calcasieu	Wetland
67.36	67.37	Calcasieu	Upland
67.37	67.62	Calcasieu	Wetland
67.62	67.69	Calcasieu	Upland
67.69	67.82	Calcasieu	Wetland
67.82	68.33	Calcasieu	Upland
68.33	68.34	Calcasieu	Wetland
68.34	68.91	Calcasieu	Upland
68.91	68.98	Calcasieu	Wetland
68.98	69.03	Calcasieu	Upland
69.03	69.06	Calcasieu	Wetland
69.06	69.91	Calcasieu	Upland
69.91	69.93	Calcasieu	Wetland
69.93	70.69	Calcasieu	Upland
70.69	70.85	Calcasieu	Wetland
70.85	71.60	Calcasieu	Upland
71.60	71.66	Calcasieu	Wetland
71.66	71.82	Calcasieu	Upland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
71.82	72.16	Calcasieu	Wetland
72.16	72.19	Calcasieu	Upland
72.19	72.71	Calcasieu	Wetland
72.71	72.73	Calcasieu	Upland
72.73	72.86	Calcasieu	Wetland
72.86	72.92	Calcasieu	Upland
72.92	73.02	Calcasieu	Wetland
73.02	73.06	Calcasieu	Upland
73.06	73.26	Calcasieu	Wetland
73.26	73.28	Calcasieu	Upland
73.28	73.29	Calcasieu	Wetland
73.29	73.30	Calcasieu	Upland
73.30	73.79	Calcasieu	Wetland
73.79	73.81	Calcasieu	Upland
73.81	73.84	Calcasieu	Wetland
73.84	74.89	Calcasieu	Upland
74.89	74.99	Jefferson Davis	Wetland
74.99	75.00	Jefferson Davis	Upland
75.00	75.02	Jefferson Davis	Wetland
75.02	75.06	Jefferson Davis	Upland
75.06	75.28	Jefferson Davis	Wetland
75.28	76.84	Jefferson Davis	Upland
76.84	76.85	Jefferson Davis	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
76.85	77.00	Jefferson Davis	Upland
77.00	77.26	Jefferson Davis	Wetland
77.26	77.61	Jefferson Davis	Upland
78.43	78.94	Jefferson Davis	Upland
78.94	78.99	Jefferson Davis	Wetland
78.99	79.97	Jefferson Davis	Upland
79.97	79.98	Jefferson Davis	Wetland
79.98	82.34	Jefferson Davis	Upland
82.34	82.98	Jefferson Davis	Wetland
82.98	83.38	Jefferson Davis	Upland
83.38	84.22	Jefferson Davis	Wetland
84.22	84.24	Jefferson Davis	Upland
84.24	84.33	Jefferson Davis	Wetland
84.33	84.34	Jefferson Davis	Upland
84.34	84.43	Jefferson Davis	Wetland
84.43	87.41	Jefferson Davis	Upland
87.41	87.68	Jefferson Davis	Wetland
87.68	89.20	Jefferson Davis	Upland
89.20	89.40	Jefferson Davis	Wetland
89.40	92.20	Jefferson Davis	Upland
92.20	92.25	Jefferson Davis	Wetland
92.25	97.44	Jefferson Davis	Upland
97.44	97.48	Jefferson Davis	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
97.48	97.52	Jefferson Davis	Upland
97.52	98.42	Jefferson Davis	Upland
98.42	98.56	Jefferson Davis	Wetland
98.56	98.57	Jefferson Davis	Upland
98.57	98.98	Jefferson Davis	Upland
99.81	103.44	Acadia	Upland
103.44	103.51	Acadia	Wetland
103.51	107.27	Acadia	Upland
107.27	107.29	Acadia	Wetland
107.29	107.92	Acadia	Upland
107.92	107.94	Acadia	Wetland
107.94	108.71	Acadia	Upland
108.71	108.72	Acadia	Wetland
108.72	109.14	Acadia	Upland
109.14	109.25	Acadia	Wetland
109.25	109.26	Acadia	Upland
109.26	109.33	Acadia	Wetland
109.33	110.65	Acadia	Upland
110.65	110.68	Acadia	Wetland
110.68	113.52	Acadia and Evangeline	Upland
113.52	113.54	Evangeline	Wetland
113.54	113.60	Evangeline	Upland
113.60	113.61	Evangeline	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet

Milepost		Parish	Upland or Wetland Area
Begin	End		
113.61	114.90	Evangeline	Upland
114.90	114.92	Evangeline	Wetland
114.92	115.06	Evangeline	Upland
115.06	115.22	Evangeline	Wetland
115.22	117.84	Evangeline	Upland
117.84	117.85	Evangeline	Wetland
117.85	117.93	Evangeline	Upland
117.93	117.95	Evangeline	Wetland
117.95	117.98	Evangeline	Upland
117.98	117.99	Evangeline	Wetland
117.99	118.69	Evangeline	Upland
118.69	118.84	Evangeline	Wetland
118.84	118.85	Evangeline	Upland
118.85	118.86	Evangeline	Wetland
118.86	119.00	Evangeline	Upland
119.00	119.01	Evangeline	Wetland
119.01	122.10	Evangeline	Upland
122.16	123.40	Evangeline	Upland
123.40	123.41	Evangeline	Wetland
123.41	124.56	Evangeline	Upland
124.56	124.59	Evangeline	Wetland
124.59	129.12	Evangeline	Upland
129.12	129.14	Evangeline	Wetland

TABLE D-1 Pipeline Segments with a Temporary ROW Width of 125 Feet			
Milepost		Parish	Upland or Wetland Area
Begin	End		
129.14	129.61	Evangeline	Upland
129.67	132.15	Evangeline	Upland

TABLE D-2 Wetlands Affected by Aboveground Facilities						
Facility	Approx. MP	Facility Size (acres)	Permanent Impacts			
			Cowardin Class	Habitat description	NRCS Class¹	Size (acres)
Leg 1 and Leg 2						
Southwest Loop Delivery Point	28.24	0.9	PEM1C	Herbaceous Wetland	N	0.3
			PSS1C	Scrub Shrub Wetland	N	0.6
TGTPL Interconnect Site	87.48	1.0	PEM1C	Herbaceous Wetland	PC	1.0
NGPL Interconnect	1.23	0.8	E2EM1P5	Herbaceous Wetland	N	0.8
FGT Lateral						
The FGT Interconnect on proposed FGT Lateral will not affect any Wetlands						

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
Leg 1 and Leg 2					
637	Cameron	0.00	0.02	Staging Area, Tie-In & Fabrication Area	EWS is needed for installation of launchers and mainline valves; the location of the beginning of the 42" and 36" pipelines is defined relative to the Sabine Pas LNG Terminal. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
638	Cameron	0.01	0.04	Fabrication Area & P.I.	EWS is needed to support work in EWS 637 and to facilitate installation of 42" and 36" PIs.
639	Cameron	0.09	0.12	Waterbody Crossing	EWS is needed to support installation of 36" canal crossing. EWS located to achieve 50' setback from waterbody, but only by location of EWS in wetland area. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
640	Cameron	0.09	0.12	Waterbody Crossing	EWS is needed to support installation of 42" canal crossing. EWS located to achieve 50' setback from waterbody, but only by location of EWS in wetland area. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
641	Cameron	0.21	0.24	Waterbody Crossing & P.I.	EWS is needed to facilitate installation of 42" and 36" PIs and to support installation of 42" and 36" canal crossings. EWS located to achieve 50' setback from waterbody, but only by location of EWS within 50' of wetland area. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
642	Cameron	0.27	0.29	Waterbody Crossing	EWS is needed to support installation of or 42" and 36" canal crossings. EWS located to achieve 50' setback from waterbody, but only by location of EWS partially in wetland area. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
643	Cameron	0.52	0.60	Fabrication Area, Access & P.I.	EWS is needed to facilitate installation of 42" PI. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
644	Cameron	0.54	0.57	Fabrication Area & P.I.	EWS is needed to facilitate installation of 36" PI. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
645	Cameron	0.85	0.95	Foreign Line Crossing, Crossover & P.I.	EWS is needed to support installation of 36" PI and crossover of existing foreign lines. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
647	Cameron	0.95	1.02	Fabrication Area, P.I. & Crossover	EWS is needed to support installation of 36" PI and crossover of existing foreign lines. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
648	Cameron	1.00	1.07	Road Crossing & Foreign Line Crossing	EWS is needed to support installation of 36" crossing of an existing road and an existing foreign line. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
649	Cameron	1.07	1.15	Road Crossing, Fabrication Area, Access & P.I.	EWS is needed to support installation of 36" PI, crossing of an existing road and approach to NGPL Interconnect. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided at this complex location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
650	Cameron	1.16	1.27	Fabrication Area, Foreign Line Crossing, P.I. & Road Crossing	EWS is needed to support installation of 42" PI and crossing of an existing road site. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
651	Cameron	1.23	1.31	Road Crossing, Staging Area & Fabrication Area	EWS is needed to support installation of 42" crossing of an existing road site and installation of NGPL Interconnect. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor and aboveground facilities in the plant site.
652	Cameron	1.34	1.44	Road Crossing, Foreign Line Crossing, Access & Fabrication Area	EWS is needed to support installation of 42" at foreign line crossings and a crossing of existing plant roads. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
653	Cameron	1.37	1.42	Road Crossing & Foreign Line Crossing	EWS is needed to support installation of 42" at foreign line crossings and a crossing of existing plant roads. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
655	Cameron	1.44	1.51	Road Crossing & Fabrication Area	EWS is needed to support installation of 42" at an existing plant road and the Hwy. 82 crossing. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS partially within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
654	Cameron	1.46	1.50	Road Crossing	EWS is needed to support installation of 42" at an existing plant road and the Hwy. 82 crossing. Wetlands and waterbodies dominate the area of the Sabine Pass LNG Terminal; location of EWS within wetland area cannot be reasonably avoided at this location. The configuration of the terminal site in large part defines the layout of the pipeline corridor in the plant site.
25 HDD	Cameron	3.89	3.94	HDD Site - Entry Hole	EWS is needed to support 42" HDD installation at shoreline of Sabine Lake. HDD entry EWS cannot avoid wetlands or at this location; wetlands and waterbodies dominate the area in the vicinity of Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets the EWS location in this previously disturbed wetland.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
24 HDD	Cameron	4.82	4.87	HDD Site - Exit Hole	EWS is needed to support 42" HDD installation exit location and must be located in Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets dredging and other temporary HDD-related impacts in the lake.
537	Cameron	5.54	5.81	Pull String	EWS is needed for fabrication of the 42" HDD pullback string and must be located in Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets the EWS location in the lake; pullback string fabrication will have few impacts on lake bottom or water quality.
536	Cameron	17.15	17.89	Pull String	EWS is needed for fabrication of the 42" HDD pullback string and must be located in Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets the EWS location in the lake; pullback string fabrication will have few impacts on lake bottom or water quality.
23 HDD	Cameron	17.86	17.97	HDD Site - Exit Hole	EWS is needed to support 42" HDD installation exit for shoreline crossing and to facilitate tie-in of lake and HDD segments. EWS must be located in Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets dredging and other temporary HDD-related impacts in the lake.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
670	Orange County	17.92	18.18	Fabricate Pull String	EWS is needed for fabrication of the 42" HDD pullback strings and must be located in Sabine Lake. The reduction in shoreline impacts provided by HDD installation easily offsets the EWS location in the lake; pullback string fabrication will have few impacts on lake bottom or water quality.
535	Orange County	18.09	18.56	Pull String	EWS is needed for fabrication and line-up of the 42" HDD pullback string and must be located in Sabine Lake. The reduction in shoreline/bank impacts provided by HDD installations easily offsets the EWS location in the lake; pullback string fabrication will have few impacts on lake bottom or water quality.
535	Cameron	18.51	18.57	Pull String	EWS is needed for fabrication and line-up of the 42" HDD pullback string and must be located in the Sabine River. The reduction in shoreline/bank impacts provided by HDD installations easily offsets the EWS location in the river; pullback string fabrication will have few impacts on river banks, bottom, or water quality.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
22 HDD	Cameron	18.55	18.66	HDD Site - Entry & Exit Hole	EWS supporting 42" HDD installation entry and exit points in Sabine River avoids impacts to shorelines and adjacent wetlands; the reduction in shoreline and wetland impacts provided by HDD installations easily offsets dredging and other temporary HDD-related impacts in the river. Further, the EWS area has been subject to previous disturbance by dredging operations for the GIWW. Wetlands and waterbodies dominate the area in the vicinity of the Sabine Lake and the Sabine River.
21 HDD	Cameron	19.36	19.50	HDD Site - Entry Holes	EWS supporting 42" HDD installation entry points in Sabine River avoids impacts to shorelines and adjacent wetlands; the reduction in shoreline and wetland impacts provided by HDD installations easily offsets dredging and other temporary HDD-related impacts in the river.
20 HDD	Cameron	20.00	20.04	HDD Site - Exit Hole	EWS supporting 42" HDD exit located in upland adjacent to Sabine River. To facilitate line-up of pullback string, 50' setback from waterbody is not practical. Further, access to HDD exit EWS must be supported by barge. The reduction in shoreline impacts provided by HDD installation easily offsets dredging and other temporary HDD-related impacts in the river bottom. Barge support of construction operations on the bank of the Sabine River greatly reduces impacts by eliminating the need for temporary access road construction.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
534	Cameron	20.00	20.04	HDD & Work Corridor Access	EWS is needed to provide access to 42" HDD exit located in EWS 20 HDD. Further, access to HDD exit EWS and adjacent onshore construction corridor supported by barge from the Sabine River greatly reduces construction impacts by eliminating the need for temporary access road construction.
557	Cameron	20.04	20.98	Pull String	EWS is needed for fabrication and line-up of the 42" HDD pullback strings and must be located in the Sabine River. The reduction in bank impacts provided by HDD installations easily offsets the EWS location in the river; pullback string fabrication will have few impacts on river banks, bottom or water quality.
531	Cameron	20.90	21.04	Pull String Access	EWS is needed to access HDD pullback string in EWS 557 and must be located in wetlands adjacent to Sabine River; 50' setback from waterbodies and wetlands is not possible at this location. HDD installation will greatly reduce impacts to riverbank immediately east of this location.
532	Cameron	21.02	21.07	P.I.	EWS is needed to facilitate installation of PI at bend in the riverbank and cannot fully avoid wetlands adjacent to Sabine River. PI will also provide correct alignment for HDD exit in EWS 19 HDD.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
19 HDD	Cameron	21.14	21.19	HDD Site - Exit Hole	EWS supporting 42" HDD exit partially located in upland adjacent to Sabine River. To facilitate line-up of pullback string, 50' setback from waterbody is not practical. Further, access to HDD exit EWS must be supported by barge from EWS 574.
574	Cameron	21.14	21.19	HDD & Work Corridor Access	EWS is needed to provide access to 42" HDD exit located in EWS 19 HDD. Further, access to HDD exit EWS and adjacent onshore construction corridor supported by barge from the Sabine River greatly reduces construction impacts by eliminating the need for temporary access road construction.
577	Cameron	21.68	22.11	Pull String	EWS is needed for fabrication of 42" HDD pullback string and must align with HDD exit in EWS 18 HDD. Due to alignment at bend in the river the EWS cannot avoid wetlands south of the river. The reduction in bank impacts provided by HDD installations easily offsets the temporary impacts of EWS on emergent wetlands.
575	Cameron	22.05	22.17	HDD & Work Corridor Access	EWS in the Sabine River is needed to provide access to 42" HDD entry and exit located in EWS 18 HDD. Further, access to HDD entry/exit EWS by barge from the Sabine River greatly reduces construction impacts by eliminating the need for temporary access road construction.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
576	Cameron	22.08	22.14	Access	EWS on the bank of the Sabine River is needed to connect EWS 575 with EWS 18 HDD. The access EWS cannot avoid wetlands on the river bank, however, access to HDD entry/exit EWS by barge from the Sabine River greatly offsets wetland impacts by reducing overall construction impacts by eliminating the need for temporary access road construction.
18 HDD	Cameron	22.08	22.14	HDD Site – Entry/Exit Holes	EWS supporting 42” HDD exit partially located in upland adjacent to Sabine River. Access to HDD EWS must be supported by barge from EWS 575 and 576.
26 HDD	Cameron	22.69	22.74	HDD Site - Entry Holes	EWS supporting 42” HDD exit partially located in upland adjacent to Sabine River. Access to HDD EWS must be supported by barge from EWS 578.
578	Cameron	22.69	22.74	HDD & Work Corridor Access	EWS in and on the bank of the Sabine River is needed to support EWS 26 HDD. The river access EWS cannot avoid wetlands on the river bank, however, access to HDD entry EWS by barge from the Sabine River greatly offsets wetland impacts by reducing overall construction impacts by eliminating the need for temporary access road construction.
27 HDD	Cameron	23.43	23.49	HDD Site - Exit & Entry Hole	EWS supporting 42” HDD entry and exit located in upland adjacent to Sabine River. Access to HDD EWS must be supported by barge from EWS 579.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
579	Cameron	23.44	23.48	HDD & Work Corridor Access	EWS in and on the bank of the Sabine River is needed to support EWS 27 HDD. The river access EWS avoids wetlands on the river bank, but cannot be setback 50' from the waterbody. However, access to HDD entry EWS by barge from the Sabine River greatly offsets waterbody and wetland impacts by eliminating the need for temporary access road construction.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
580	Cameron	23.48	23.56	Pull String Access	EWS is needed to access HDD pullback string from EWS 582 and is located in upland adjacent to Sabine River; 50' setback from the river is not practical since the purpose of this EWS is to access floated pullback string.
581	Cameron	23.82	23.86	Access	EWS is needed to provide access to 42" HDD exit located in EWS 28 HDD. Further, access to HDD exit EWS and adjacent onshore construction corridor supported by barge from the Sabine River and the Burton Shell Slip greatly reduces construction impacts by eliminating the need for temporary access road construction.
582	Cameron	23.86	24.48	Pull String	EWS is needed for fabrication of the 42" HDD pullback string and must be located in the Sabine River. The reduction in bank impacts provided by HDD installations easily offsets the EWS location in the river; pullback string fabrication will have few impacts on river banks, bottom or water quality. (Continues into Calcasieu Parish.)

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
28 HDD	Cameron	23.91	23.96	HDD Site - Exit Hole	EWS supporting 42" HDD exit partially located in upland adjacent to Sabine River and Burton Shell Canal. Access to HDD EWS must be supported by barge from EWS 581.
530	Cameron	24.21	24.26	Foreign Line Crossing	EWS needed to support 42" installation at foreign line crossing located in wetland area adjacent to Sabine River; no other location of EWS is practical considering the proximity of multiple foreign lines.
582	Calcasieu	24.47	24.59	Pull String	(Continuation of EWS from Cameron Parish.) EWS is needed for fabrication of the 42" HDD pullback string and must be located in the Sabine River. The reduction in bank impacts provided by HDD installations easily offsets the EWS location in the river; pullback string fabrication will have few impacts on river banks, bottom, or water quality.
529	Cameron	24.57	24.62	P.I.	EWS is needed to facilitate installation of PI at bend in the riverbank and cannot fully avoid wetlands adjacent to Sabine River/GIWW; no other location of EWS is practical considering the proximity of multiple foreign lines.
29 HDD	Calcasieu	25.22	25.28	HDD Site - Exit Hole	EWS supporting 42" HDD exit partially located in upland adjacent to Sabine River/GIWW. Access to HDD EWS must be supported by barge from EWS 583.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
583	Calcasieu	25.80	25.86	HDD Access & Loading Area	EWS in the GIWW is needed to provide access to 42" HDD exit located in EWS 29 HDD and HDD entries in EWS 30 HDD. Access to HDD entries/exits EWS by barge from the GIWW greatly reduces construction impacts by eliminating the need for temporary access road construction.
584	Calcasieu	25.80	25.83	Access & Loading Area	EWS on the bank of the GIWW is needed to support EWS 29 HDD and EWS 30 HDD by providing access to EWS 583 in the GIWW. The GIWW access to EWS avoids wetlands on the GIWW bank, but cannot be setback 50' from the waterbody. However, access to HDD EWS by barge from the GIWW greatly offsets waterbody and wetland impacts by eliminating the need for temporary access road construction.
30 HDD	Calcasieu	26.00	26.05	HDD Site - Entry Holes	EWS supporting 42" HDD entries is located in upland adjacent to GIWW. Access to HDD EWS must be supported by barge from EWS 583.
31 HDD	Calcasieu	26.78	26.83	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in upland adjacent to GIWW. Access to HDD EWS must be supported by barge from EWS 585 and EWS 586.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
585	Calcasieu	27.58	27.64	Access & Loading Area	EWS in the GIWW is needed to provide access to 42" HDD exit located in EWS 30 HDD. Access to HDD exit EWS and onshore construction corridor by barge from the GIWW greatly reduces construction impacts by eliminating the need for temporary access road construction.
586	Calcasieu	27.58	27.60	Access & Loading Area	EWS on the bank of the GIWW is needed to support EWS 31 HDD and onshore construction corridor by providing access to EWS 585 in the GIWW. The GIWW access to EWS avoids wetlands on the river bank, but cannot be setback 50' from the waterbody. However, access to HDD EWS and onshore construction corridor by barge from the GIWW greatly offsets waterbody and wetland impacts by eliminating the need for temporary access road construction.
587	Calcasieu	27.81	27.86	Foreign Line Crossing	EWS needed to support 42" installation at foreign line crossing partially located in wetland areas; no other location of EWS is practical considering the surrounding wetland areas and proximity of multiple foreign lines and electric transmission lines.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
588	Calcasieu	28.26	28.33	Foreign Line Crossing	EWS needed to support installation of the Southwest Loop Interconnect and the 42" foreign line crossing partially located in wetland areas; no other location of EWS is practical considering the surrounding wetland areas and proximity of multiple foreign lines and electric transmission lines.
523	Cameron, Calcasieu	29.46	29.90	Pull String	EWS is needed for fabrication of the 42" HDD pullback string for GIWW and Black Bay Cutoff crossings. Fabrication EWS must be located in wetland and shallow waterbody to provide proper alignment for pullback. The reduction in impacts to the channel and banks of the GIWW and the Black Bay Cutoff provided by HDD installation easily offsets the temporary wetland impacts of the fabrication EWS.
16 HDD	Calcasieu	30.32	30.38	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in wetland adjacent to GIWW. Access to HDD EWS must be supported by barge from EWS 585 and EWS 586.
522	Calcasieu	31.37	31.43	Work Corridor Access	EWS in the GIWW is needed to provide access to 42" HDD entries located in EWS 15 HDD. Access to HDD entries EWS by barge from the GIWW greatly reduces construction impacts by eliminating the need for temporary access road construction.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
521	Calcasieu	31.39	31.42	Loading & Unloading Area	EWS on the bank of the GIWW is needed to support EWS 15 HDD by providing access to EWS 522 in the GIWW. The GIWW access to EWS cannot avoid wetlands adjacent to the GIWW bank, and cannot be setback 50' from the waterbody. However, access to HDD EWS by barge from the GIWW greatly offsets waterbody and wetland impacts by eliminating the need for temporary access road construction.
15 HDD	Calcasieu	31.43	31.50	HDD Site - Entry Holes	EWS supporting 42" HDD entries is located in wetland adjacent to GIWW. Access to HDD EWS must be supported by barge from EWS 521 and EWS 522. No other location of the EWS is practical considering the surrounding wetland areas and proximity of multiple foreign lines and electric transmission lines.
13 HDD	Calcasieu	32.41	32.46	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in wetland adjacent to GIWW. Access to HDD EWS must be supported by barge from EWS 517 and EWS 518. No other location of the EWS is practical considering the surrounding wetland areas and proximity of multiple foreign lines and electric transmission lines.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
518	Calcasieu	32.43	32.50	Work Corridor Access	EWS in the GIWW is needed to provide access to 42" HDD exit located in EWS 13 HDD and onshore construction corridor. Access to HDD EWS and onshore construction corridor by barge from the GIWW greatly reduces construction impacts by eliminating the need for temporary access road construction.
517	Calcasieu	32.45	32.49	Loading & Unloading Area	EWS on the bank of the GIWW is needed to support EWS 13 HDD and onshore construction corridor by providing access to EWS 518 in the GIWW. The GIWW access to EWS avoids wetlands on the river bank, but cannot be setback 50' from the waterbody. However, access to HDD EWS and onshore construction corridor by barge from the GIWW greatly offsets waterbody and wetland impacts by eliminating the need for temporary access road construction.
514	Calcasieu	35.15	35.19	Fabrication Area, Access & P.I.	EWS needed to support 42" installation at ditch crossing and PIs; EWS must be located in wetland areas; no other location of EWS is practical considering the surrounding wetland areas and proximity of foreign line and electric transmission lines.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
511	Calcasieu	36.50	36.60	Waterbody Crossing, Road Crossing, Foreign Line Crossing, Fabrication Area & Access	EWS needed to support 42" installation at road, ditch, and foreign line crossings; EWS must be partially located in wetland areas; no other location of EWS is practical considering the close proximity of the road, waterbody, foreign line, and parallel foreign line.
510	Calcasieu	37.29	37.36	Waterbody Crossing & Access	EWS needed to support 42" installation at ditch and foreign line crossings; EWS is located within 50' of the waterbody and wetland areas; however, no other location for the EWS is practical considering the close proximity the waterbody, foreign line, parallel foreign line, and other wetland areas.
509	Calcasieu	37.84	37.87	Waterbody Crossing	EWS needed to support 42" installation at canal crossings; EWS is setback 50' of the waterbody but is located in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.
508	Calcasieu	37.89	37.98	Road Crossing, Waterbody Crossing, Fabrication Area, Access & Truck Turnaround	EWS needed to support 42" installation at canal and road crossings and truck turnaround; EWS is located in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
507	Calcasieu	37.98	38.01	Waterbody Crossing & Road Crossing	EWS needed to support 42" installation at road and ditch crossing; EWS is setback 50' from the waterbody but is located in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.
506	Calcasieu	38.11	38.23	Drag Section	EWS needed to support fabrication of 42" drag section for installation in reduced ROW adjacent to occupied structure. EWS is setback from structures, but is located in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.
505	Calcasieu	38.34	38.40	Waterbody Crossing, Road Crossing & Access	EWS needed to support 42" installation at road and ditch crossing; EWS is located within 50' of wetland and ditch; however, no other location for the EWS is practical considering the proximity of other wetland areas.
503	Calcasieu	38.86	38.90	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of ditch and in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
504	Calcasieu	38.94	38.96	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of ditch and in wetland area; however, no other location for the EWS is practical considering the proximity of other wetland areas.
502	Calcasieu	39.06	39.14	Waterbody Crossing, Road Crossing & Access	EWS needed to support 42" installation at road and ditch crossing; EWS is located within 50' of wetland and ditch; however, no other location for the EWS is practical considering the proximity of other wetland areas.
501	Calcasieu	39.44	39.46	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of wetland and ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody and the proximity of other wetland areas.
500	Calcasieu	39.47	39.49	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of wetland and ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody and the proximity of other wetland areas.
589	Calcasieu	39.82	40.04	Crossing Section & Access	EWS needed for fabrication of pipe section for crossings of multiple foreign lines and two irrigation canals. No other location for the EWS is practical considering the alignment for the complex traverse.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
499	Calcasieu	39.90	39.98	Access & Waterbody Crossing	EWS needed to support 42" installation at ditch and road crossing; EWS is located within 50' of the ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody and the proximity of other wetland areas.
593	Calcasieu	40.29	40.33	Waterbody Crossing, Truck Turnaround & Foreign Line Crossing	EWS needed to support 42" installation at crossings of multiple foreign lines and two irrigation canals; EWS is located within 50' wetland area; however, no other location for the EWS is practical considering length and complexity of the traverse.
590	Calcasieu	40.29	40.35	Foreign Line Crossing & P.I.	EWS needed to support 42" installation at crossings of multiple foreign lines and two irrigation canals; EWS is located within 50' wetland area; however, no other location for the EWS is practical considering length and complexity of the traverse.
490	Calcasieu	41.47	41.49	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of the ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody and the proximity of other wetland areas.
488	Calcasieu	42.45	42.47	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of the ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
487	Calcasieu	42.48	42.50	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of the ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody.
659	Calcasieu	42.72	42.76	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is setback 50' from the ditch, but is located in a wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and other proximity of other wetlands.
597	Calcasieu	43.13	43.67	Pull String	EWS is needed for fabrication of the 42" HDD pullback string for Bayou Choupique crossing. Fabrication EWS is located in non-wetland area (upland or converted farmland) but will cross one or more irrigation canals. The fabrication EWS provides proper alignment for pullback through HDD exit in EWS 11 HDD. The pull string EWS may cross one or more irrigation canals or drainage ditches. The reduction in impacts to the channel and wetlands associated with Bayou Choupique provided by HDD installation easily offsets the temporary impacts of the fabrication EWS.
662	Calcasieu	43.22	43.25	Waterbody Crossing	EWS needed to support 42" installation at ditch crossing; EWS is located within 50' of the ditch; however, no other location for the EWS is practical considering the characteristics of the waterbody.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
11 HDD	Calcasieu	43.65	43.72	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in non-wetland area (upland or prior-converted cropland, included for reference only, no alternative measure requested). Pull string fabrication in EWS 597.
32 HDD	Calcasieu	44.45	44.51	HDD Site - Entry Hole	EWS supporting 42" HDD entry is located in non-wetland area (upland or prior-converted cropland, included for reference only, no alternative measure requested). Pull string fabrication in EWS 597.
476	Calcasieu	45.52	45.53	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within 50' of wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and adjacent wetlands.
475	Calcasieu	45.52	45.54	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within 50' of wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and adjacent wetlands.
473	Calcasieu	45.56	45.58	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
474	Calcasieu	45.56	45.58	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.
471	Calcasieu	45.76	45.79	Waterbody Crossing & P.I.	EWS needed to support 42" installation at waterbody crossing and PI. EWS is not setback 50' from waterbody, and is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.
472	Calcasieu	45.76	45.80	Waterbody Crossing, Fabrication Area, Truck Turnaround & P.I.	EWS needed to support 42" installation at waterbody crossing, PI and truck turning. EWS is not setback 50' from waterbody, and is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.
470	Calcasieu	45.87	45.90	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within 50' of wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
469	Calcasieu	45.88	45.93	Waterbody Crossing & Truck Turnaround	EWS needed to support 42" installation at waterbody crossing and to allow truck turning. EWS is setback 50' from waterbody, but is located within 50' of wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
467	Calcasieu	46.19	46.26	Access	EWS needed for truck access to ROW; EWS is partially located in wetland area. No other location for the EWS is practical considering the proximity and characteristics of adjacent wetlands in the vicinity of the access road.
464	Calcasieu	46.69	46.71	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.
463	Calcasieu	46.70	46.73	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the characteristics of the waterbody and proximity of adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
460	Calcasieu	46.93	46.98	Waterbody Crossing, Access & Staging Area	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
462	Calcasieu	46.94	46.96	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
459	Calcasieu	46.96	47.01	Waterbody Crossing & Access	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands and the location of the access road and waterbody.
461	Calcasieu	46.97	47.00	Waterbody Crossing & Access	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands and the location of the access road and waterbody.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
457	Calcasieu	47.33	47.35	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is partially located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
456	Calcasieu	47.33	47.35	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is partially located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
454	Calcasieu	47.37	47.39	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within 50' of wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
455	Calcasieu	47.37	47.39	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within 50' of wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
450	Calcasieu	47.76	47.87	Road Crossing, Fabrication Area & P.I.	EWS needed to support 42" installation at Hwy 27 crossing and PI. EWS is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
451	Calcasieu	47.77	47.87	Road Crossing & P.I.	EWS needed to support 42" installation at Hwy 27 crossing and PI. EWS is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
447	Calcasieu	48.42	48.49	P.I.	EWS needed to support PI. EWS is located within 50' of in wetland area; however, the location of the PI and EWS is determined by residential, waterbody, and wetland features in the vicinity.
446	Calcasieu	48.46	48.50	P.I.	EWS needed to support PI. EWS is located within 50' of wetland area; however, the location of the PI and EWS is determined by residential, waterbody, and wetland features in the vicinity.
10 HDD	Calcasieu	49.52	49.58	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in upland area adjacent to Calcasieu River (included for reference only, no alternative measure requested). Pullback is to EWS 9 HDD. Pull string fabrication in construction corridor.
444	Calcasieu	49.69	49.72	Equipment Area	EWS is need for equipment staging associated with pull string fabrication in EWS 443.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
443	Calcasieu	49.71	50.44	Pull String	EWS is needed for fabrication of the 42" HDD pullback string for Calcasieu River/ LNG Channel crossings. Pullback will be to EWS 8 HDD. Fabrication EWS must be located in wetlands and dredged material disposal areas adjacent to the Calcasieu River to provide proper alignment for pullback. The reduction in impacts to the channel and banks of the river and LNG Terminal channel provided by HDD installation easily offsets the temporary wetland impacts of the fabrication EWS.
9 HDD	Calcasieu	50.42	50.5	HDD Site - Entry & Exit Hole	EWS supporting 42" HDD entry and exit is located in wetland adjacent to Calcasieu River. The reduction in impacts to the channel and banks of the Calcasieu River and LNG Terminal channel provided by HDD installation easily offsets the temporary wetland impacts of HDD entry and exit construction activity. Access is from the north along dredge material disposal area.
441	Calcasieu	51.19	51.28	Pull String	EWS is needed for fabrication of the 42" HDD pullback string. Pullback will be to EWS 6 HDD. EWS 441 located entirely in upland area (included for information only, no alternative measure requested). HDD will eliminate wetland impacts between EWS 7 HDD and EWS 6 HSS along Henry Pugh Blvd.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
8 HDD	Calcasieu	51.28	51.33	HDD Site - Entry Hole	EWS supporting 42" HDD entry is located in upland area on west side of Calcasieu River. Access by Henry Pughlet Blvd (included for information only, no alternative measure requested).
7 HDD	Calcasieu	51.74	51.79	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located in upland area on west side of Calcasieu River. Access by Henry Pughlet Blvd (included for information only, no alternative measure requested).
6 HDD	Calcasieu	52.35	52.41	HDD Site - Entry Holes	EWS supporting 42" HDD entries is partially located in wetland adjacent to Calcasieu River. The reduction in impacts to wetlands provided by HDD installation easily offsets the temporary wetland impacts of HDD entry construction activity. Access is from the west on Hwy 384.
5 HDD	Calcasieu	53.04	53.08	HDD Site - Exit Hole	EWS supporting 42" HDD exit is located adjacent to wetland area on construction corridor. Access to the EWS 5 HDD from Joel LeDoux Road will be matted as need to prevent impacts to wetland area. The reduction in impacts to wetlands provided by HDD installation easily offsets the temporary wetland impacts of access to EWS 5 HDD or from HDD exit construction activity. Pull string will be fabricated in construction corridor east of EWS 5 HDD.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
435	Calcasieu	53.53	53.56	Road Crossing	EWS needed to support 42" installation at road crossing. EWS is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
432	Calcasieu	53.96	53.98	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located within wetland area. However, no other location for the EWS is practical considering the proximity of adjacent wetlands.
425	Calcasieu	55.04	55.08	Waterbody Crossing, Truck Turnaround & Fabrication Area	EWS needed to support 42" installation at waterbody crossing and for truck turning. EWS is setback 50' from waterbody, but is not setback 50' from wetland area. EWS is located as close as possible to waterbody crossing without entering wetland area. Relocating EWS to east would encroach on another adjacent wetland area.
426	Calcasieu	55.04	55.11	Waterbody Crossing & Truck Turnaround	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not setback 50' from wetland area. EWS is located as close possible to waterbody crossing without entering wetland area. Relocating EWS to east would encroach on another adjacent wetland area.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
419	Calcasieu	55.81	55.83	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
412	Calcasieu	56.67	56.70	Road Crossing, Staging Area & Fabrication Area	EWS needed to support Hwy 385 crossing must be close to the highway. The small wetland inclusion is probably associated with the highway drainage ditch and would be isolated from the EWS by vegetated strip or silt fence.
409	Calcasieu	57.66	57.70	Road Crossing	EWS needed to support 42" installation at Lincoln Road crossing. EWS is located partially in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
408	Calcasieu	57.85	57.92	Road Crossing & Fabrication Area	EWS needed to support 42" installation at Great House Road crossing. EWS is located partially in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
401	Calcasieu	59.66	59.73	Fabrication Area, Spread Flop & Foreign Line Crossing	EWS needed to support construction parallel to channelized Black Bayou, PI, foreign line crossing, and change in working side (spread flop). EWS is not setback 50' from waterbody, but standard erosion and sedimentation features will isolate construction corridor from the waterbody. Temporary impacts of pipeline construction will likely be less than those associated with cultivation at this location.
62	Calcasieu	60.97	60.99	Road Crossing, Fabrication Area & P.I.	EWS needed to support road crossing construction, foreign line crossing, and PI. EWS is located in previously cultivated wetland area. Relocation of the EWS is not practical since the construction corridor is designed to parallel existing features such roads, canals, pipelines, etc. Temporary impacts of pipeline construction will likely be less than those associated with previous cultivation at this location.
361	Calcasieu	66.67	66.69	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
360	Calcasieu	66.70	66.72	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody. Setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
315	Calcasieu	67.03	67.09	Railroad Crossing, Waterbody Crossing & Truck Turnaround	EWS needed to support 42" installation at waterbody crossing, adjacent to railroad and to provide truck turning. EWS is located in wetland area; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
316	Calcasieu	67.09	67.15	Waterbody Crossing & Fabrication Area	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
317	Calcasieu	67.17	67.19	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
318	Calcasieu	67.26	67.28	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
319	Calcasieu	67.29	67.37	Waterbody Crossing & Access	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is not set back 50' from wetland adjacent to the waterbody; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
322	Calcasieu	67.62	67.65	Road Crossing	EWS needed to support 42" installation at road crossing. EWS is not set back 50' from fallow agricultural wetland located adjacent to road; however, no other location for the EWS is practical considering the proximity of adjacent wetlands.
325	Calcasieu	68.30	68.33	Road Crossing & Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not set back 50' from waterbody and wetland located adjacent to waterbody; however, no other location for the EWS is practical considering the characteristics of the waterbody and adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
326	Calcasieu	68.34	68.35	Road Crossing & Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not set back 50' from waterbody and wetland located adjacent to waterbody; however, no other location for the EWS is practical considering the characteristics of the waterbody and adjacent wetlands.
330	Calcasieu	68.97	69.07	Waterbody Crossing, Fabrication Area & Truck Turnaround	EWS needed to support 42" installation at waterbody crossing and to provide truck turning. EWS is set back 50' from waterbody but is partially located in a wetland area; however, no other location for the EWS is practical considering the characteristics and proximity of adjacent wetlands.
338	Calcasieu	69.83	69.90	Waterbody Crossing, Fabrication Area, Foreign Line Crossing & Truck Turnaround	EWS needed to support 42" installation at waterbody and foreign line crossing and to provide truck turning. EWS is not set back 50' from waterbody and wetland located adjacent to waterbody; however, no other location for the EWS is practical considering location of the foreign line and the characteristics of the waterbody and adjacent wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
342	Calcasieu	70.63	70.68	Waterbody Crossing, Fabrication Area & Access	EWS needed to support 42" installation at waterbody crossing. EWS is not set back 50' from waterbody; however, no other location for the EWS is practical considering characteristics of the waterbody and need for field road access located adjacent to waterbody.
343	Calcasieu	70.72	70.74	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is setback 50' from waterbody, but is located in fallow agricultural wetland adjacent to waterbody; however, no other location for the EWS is practical considering the proximity of adjacent fallow agricultural wetlands.
350	Calcasieu	72.87	72.98	Road Crossing, Waterbody Crossing & Fabrication Area	EWS needed to support 42" installation at road and waterbody crossing. EWS is setback 50' from waterbody, but is located in fallow agricultural wetland adjacent to road; however, no other location for the EWS is practical considering the proximity of adjacent fallow agricultural wetlands.
261	Calcasieu	73.77	73.80	Road Crossing	EWS needed to support 42" installation at road crossing. EWS is located in fallow agricultural wetland adjacent to road; however, no other location for the EWS is practical considering the proximity of adjacent fallow agricultural wetlands.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
262	Calcasieu	73.82	73.88	Road Crossing & Fabrication Area	EWS needed to support installation of 42" MLV and crossing of Thompson Road is not setback 50' from wetland area. Installation is located in fallow agricultural wetland; however, no other location for the EWS is practical considering the proximity of adjacent fallow agricultural wetlands and the need to locate MLV adjacent to road access point.
265	Jefferson Davis	74.92	74.97	Railroad Crossing, Waterbody Crossing, Fabrication Area & P.I.	EWS needed to support 42" installation at railroad (inactive) and waterbody crossings. EWS is not set back 50' from waterbodies and wetlands located adjacent to waterbodies; however, no other location for the EWS is practical considering location of the railroad and the location and characteristics of the waterbodies and adjacent wetlands.
2 HDD	Jefferson Davis	98.98	99.03	HDD Site - Exit Hole	EWS supporting 42" HDD exit for Bayou Nezpique crossing is located in non-wetland area (upland or prior-converted cropland, included for reference only, no alternative measure requested). Pull string fabrication in construction corridor.
1 HDD	Acadia	99.76	99.81	HDD Site – Entry Hole	EWS supporting 42" HDD entry for Bayou Nezpique crossing is located in non-wetland area (upland or prior-converted cropland, included for reference only, no alternative measure requested).

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
35	Acadia	100.72	100.74	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
36	Acadia	100.72	100.74	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
34	Acadia	100.75	100.77	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
226	Acadia	104.29	104.32	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
229	Acadia	104.70	104.72	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
230	Acadia	104.73	104.75	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
53	Evangeline	113.41	113.61	Railroad Crossing & Foreign Line Crossing	EWS needed to support 42" installation at foreign line crossing. EWS is not setback 50' from isolated wetland on foreign line ROW and adjacent to railroad. However, considering the characteristics of the isolated wetlands, relocation of the EWS (and the proposed pipeline) is not practical since it would result in increased clearing in forested area.
120	Evangeline	118.82	118.84	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not set back 50' from waterbody and wetland located adjacent to waterbody; however, no other location for the EWS is practical considering proximity of other adjacent wetland and forested areas. EWS location is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
119	Evangeline	118.85	118.87	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not set back 50' from waterbody and wetland located adjacent to waterbody; however, no other location for the EWS is practical considering proximity of other adjacent wetland and forested areas. EWS location is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.

Table D-3 Rationale for Extra Workspaces Within 50 feet of Waterbodies and Wetlands

EWS ID	Parish	Milepost		EWS Purpose	Rationale for Alternative Measures from Wetland and Waterbody Construction and Mitigation Procedures
		Begin	End		
124	Evangeline	121.83	121.85	Waterbody Crossing	EWS needed to support 42" installation at waterbody crossing. EWS is not setback 50' from waterbody. However, considering the characteristics of the waterbody, setback from the waterbody is sufficient to provide protection while minimizing distance for soil/spoil transfer and storage; this will expedite installation of the crossing segment.
FGT Lateral					
-	Acadia	1.18	1.26	Waterbody Crossing, Fabrication Area & Access	EWS needed to support 24" installation at Bayou des Cannes crossing. EWS is partially located in wetland area; however, EWS is set back from riparian forested areas. No other location for the EWS is practical considering location of an existing access road to the EWS.