

Appendix F

WATERBODIES CROSSED BY THE PIPELINE EXPANSION ROUTE AND TYPICAL CONSTRUCTION PROCEDURES

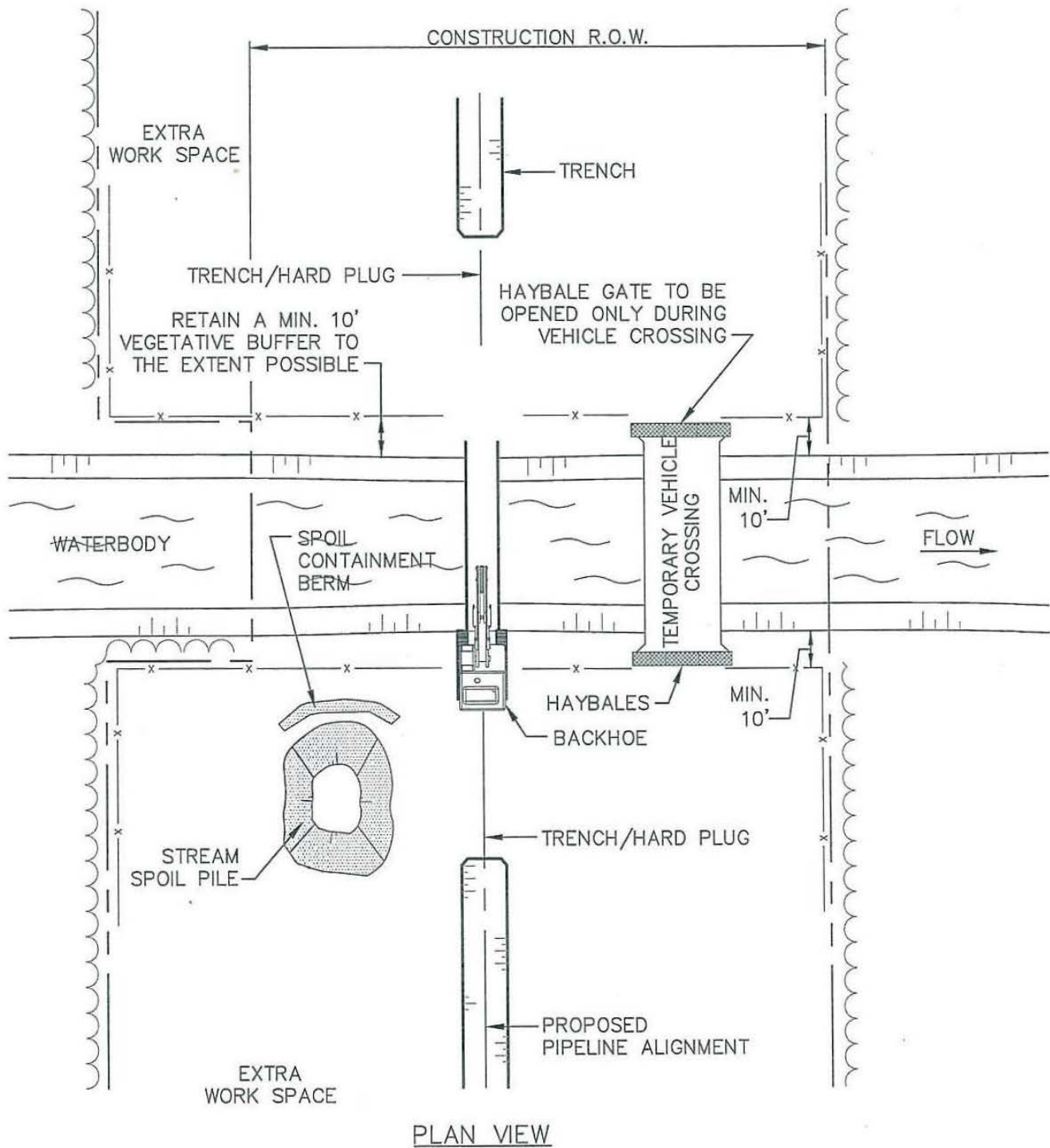
**Table F-1
Waterbodies Crossed by the Pipeline Route**

Milepost	Waterbody Name	Type of Waterbody	Crossing Width (Feet)	State Water Quality Classification ^a	Fishery Type ^b	Proposed Crossing Method ^c
0.1	Unnamed Tributary to Houston River (SA101)	Ephemeral	4	None	WWF	Open-Cut
0.1	Unnamed Tributary to Houston River (SA102)	Intermittent	20	None	WWF	Dry Ditch
0.7	Unnamed Tributary to Houston River (SA103)	Intermittent	10	None	WWF	Dry Ditch
1.8	Houston River (SA104) ^{d, g}	Perennial	100	A, B, F	WWF	HDD
1.9	Unnamed Pond (Pond 1) ^d	Open Water	170	None	WWF	HDD
2.2	Unnamed Tributary to Houston River (SA106)	Intermittent	7	None	WWF	Dry-Ditch
3.4	Unnamed Tributary to Houston River (SA302)	Ephemeral	15	None	WWF	Open-Cut
4.2	Unnamed Tributary to Houston River (SA303)	Intermittent	7	None	WWF	Dry Ditch
4.8	Unnamed Tributary to Houston River (SA105)	Intermittent	8	None	WWF	Dry Ditch
4.9	Unnamed Tributary to Little River (SA147)	Ephemeral	5	None	WWF	Road Bore
5.6	Little River (SA107) ^g	Perennial	40	B	WWF	HDD
6.9	Unnamed Tributary to Little River (SA112)	Ephemeral	12	None	WWF	Open-Cut
7.0	Unnamed Tributary to Little River (SA111)	Ephemeral	4	None	WWF	Open-Cut
8.8	Beckwith Creek (SA113) ^{e, f, g}	Perennial	90	B, F	WWF	HDD
9.4	Unnamed Tributary to Beckwith Creek (SA115) ^e	Ephemeral	8	None	WWF	Open-Cut
10.1	Unnamed Tributary to Hickory Branch (SA116) ^f	Ephemeral	5	None	WWF	HDD
10.3	Hickory Branch (SA109) ^g	Perennial	100	A, B, F	WWF	HDD
10.6	Unnamed Tributary to Hickory Branch (SA110)	Ephemeral	5	None	WWF	Open-Cut
11.6	Unnamed Tributary to Hickory Branch (SB108)	Ephemeral	3	None	WWF	Open-Cut
12.6	Unnamed Tributary to Hickory Branch (SA401)	Ephemeral	3	None	WWF	Open-Cut
12.8	Unnamed Tributary to Hickory Branch (SA402)	Ephemeral	2	None	WWF	Open-Cut

**Table F-1
Waterbodies Crossed by the Pipeline Route – Continued**

Milepost	Waterbody Name	Type of Waterbody	Crossing Width (Feet)	State Water Quality Classification ^a	Fishery Type ^b	Proposed Crossing Method ^c
14.7	Unnamed Tributary to Indian Bayou (SB106)	Ephemeral	3	None	WWF	HDD
14.8	Indian Bayou (SB102) ^g	Intermittent	12	F	WWF	HDD
15.6	Unnamed Tributary to Indian Bayou (SB101)	Ephemeral	5	None	WWF	Open-Cut
16.0	Unnamed Tributary to Indian Bayou (SB101)	Ephemeral	6	None	WWF	Open-Cut
17.6	Unnamed Tributary to Marsh Bayou (SB104)	Ephemeral	13	None	WWF	Open-Cut
17.9	Marsh Bayou (SB105)	Intermittent	20	A, B	WWF	HDD
20.1	Unnamed Tributary to Marsh Bayou (SA108)	Ephemeral	4	None	WWF	Open-Cut
20.5	Unnamed Tributary to Marsh Bayou (SA180)	Ephemeral	3	None	WWF	Open-Cut

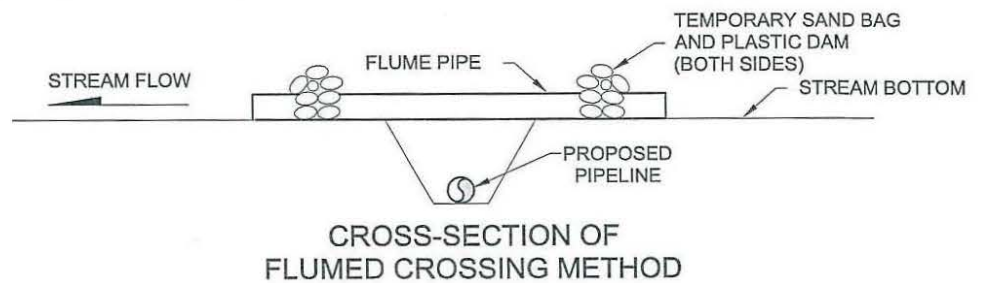
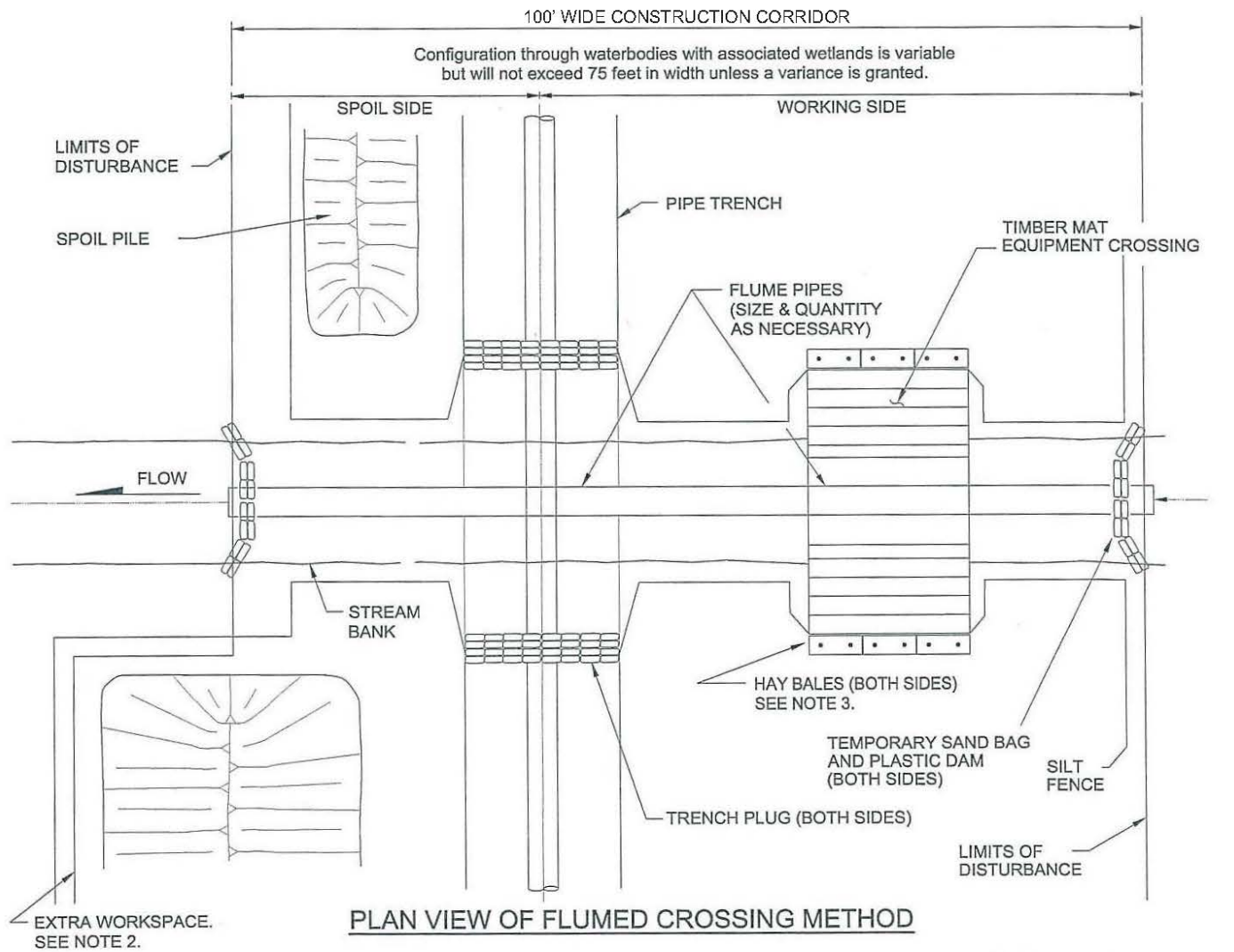
- ^a State of Louisiana Water Quality Classifications:
A = Primary Recreation
B = Secondary Contact Recreation
F = Agriculture
- ^b Fishery Type
WWF = Warm Water Fishery
- ^c Proposed Crossing Method
HDD = Horizontal Directional Drill
- ^d Multiple waterbodies crossed by the Houston River HDD
- ^e Multiple waterbodies crossed by the Beckwith Creek HDD
- ^f Designated Louisiana Natural and Scenic River
- ^g Included on the EPA-approved 303(d) list of impaired waterbodies



Cameron Liquefaction Project

Typical Open-Cut Wet Crossing
Method, Flowing Waterbody

Figure F-1

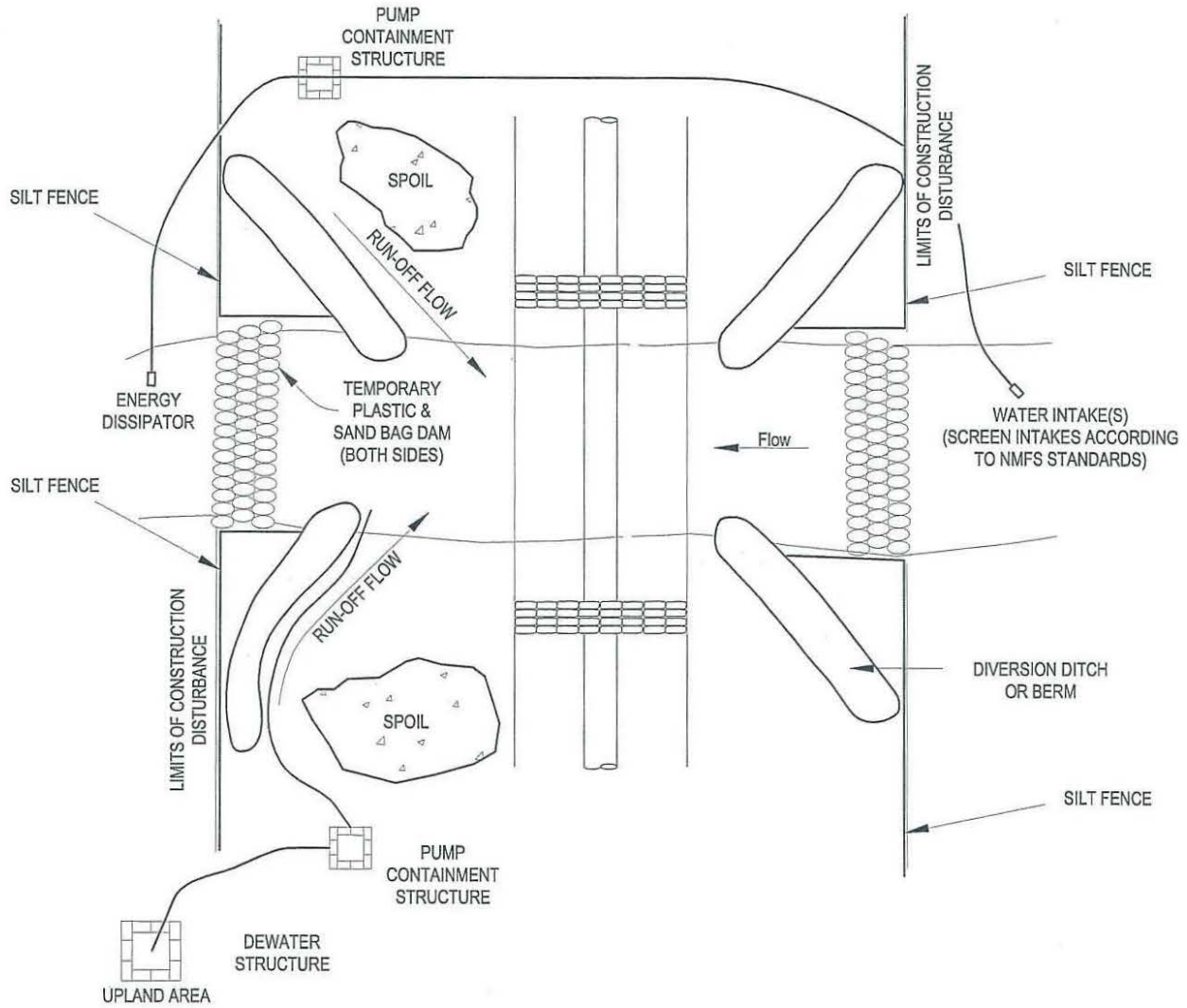


Cameron Liquefaction Project

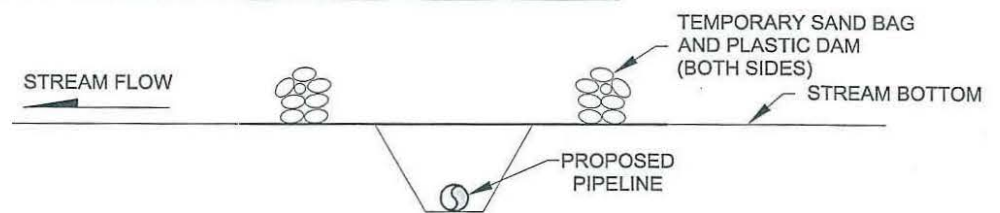
Typical Flume Crossing

Figure F-2

CONFIGURATION THROUGH WATERBODIES WITH ASSOCIATED WETLANDS IS VARIABLE
BUT WILL NOT EXCEED 75 FEET IN WIDTH UNLESS A VARIANCE IS GRANTED



PLAN VIEW OF DAM & PUMP CROSSING METHOD



CROSS-SECTION OF
DAM & PUMP CROSSING METHOD

Cameron Liquefaction Project

Typical Dam-and-Pump Crossing

Figure F-3