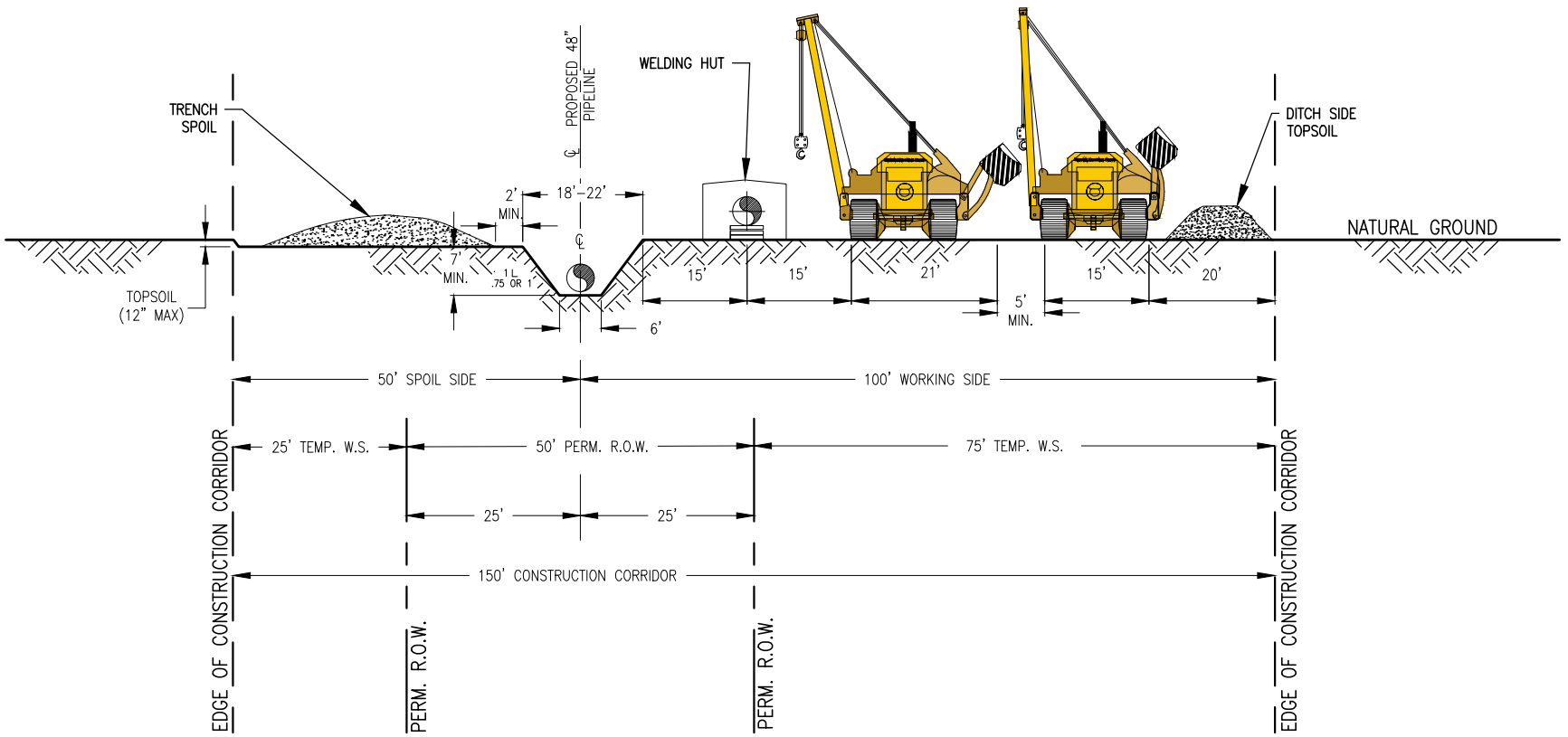
Appendix D

Construction Typicals

TYPICAL UPLAND CONSTRUCTION CORRIDOR

Type A and Type B Soils



NOTES:

1. TRENCH DIMENSIONS AND SPOIL PILES BASED ON TYPE A SOILS.
2. MINIMUM TRENCH DEPTH WILL BE AT LEAST 8 FEET.
3. PIPELINE MINIMUM DEPTH OF COVER SHALL BE 3 FEET.
4. DITCH LINE AND SPOIL SIDE WILL BE TOPSOILED OR ONLY DITCH LINE WILL BE TOPSOILED AND A BARRIER WILL BE UTILIZED ON SPOIL SIDE BETWEEN NATURAL GROUND AND SUBSOIL STORAGE AREA.
5. BUOYANCY CONTROL AND/OR AC MITIGATION IS REQUIRED, TRENCH WIDTH AND ASSOCIATED SPOIL WILL INCREASE.
6. DITCH SPOIL, DITCH BOTTOM WIDTH AND EQUIPMENT LAYOUT SUBJECT TO EXISTING CONDITIONS AT TIME OF CONSTRUCTION.
7. SPOIL PILES DEPICTED IS BASED ON TRENCH VOLUME CALCULATED WITH A 1.25 SWELL FACTOR APPLIED.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR PERMIT	GIE	10/12/22	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/7/22	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/5/22	SC	JC

GULF Companies

DWN. BY:	GIE	10/5/22
CHK.	SC	10/5/22
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

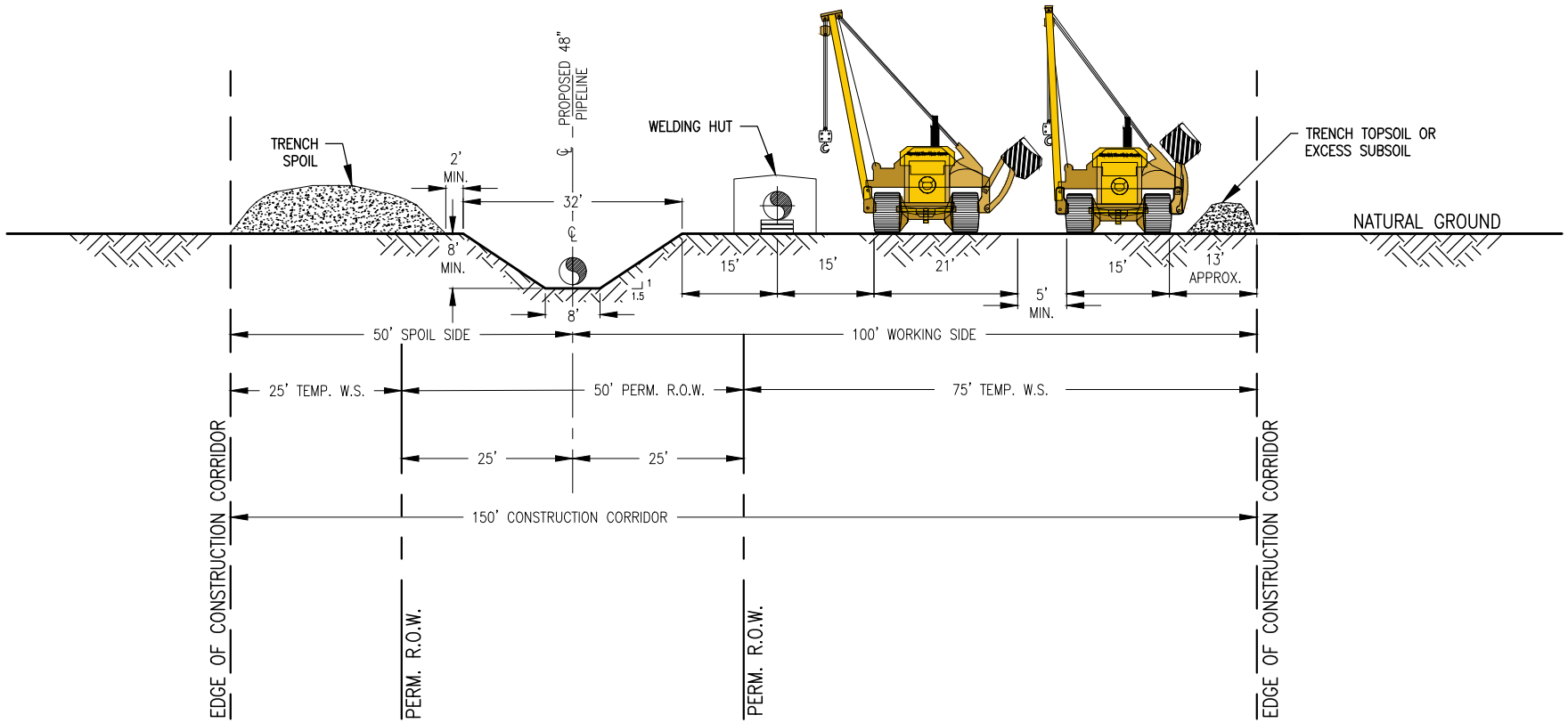
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND
CONSTRUCTION CORRIDOR
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
CX-588600-PPL-DTL-GIE-10000-001	1 OF 1	C

TYPICAL UPLAND CONSTRUCTION CORRIDOR

Type C Soils



NOTES:

1. TRENCH DIMENSIONS AND SPOIL PILES BASED ON TYPE C SOILS.
2. MINIMUM TRENCH DEPTH WILL BE AT LEAST 8 FEET.
3. PIPELINE MINIMUM DEPTH OF COVER SHALL BE 3 FEET.
4. DITCH LINE TOPSOIL WILL BE SEGREGATED (IF NOT SATURATED), A BARRIER WILL BE UTILIZED ON SPOIL SIDE BETWEEN NATURAL GROUND AND SUBSOIL STORAGE AREA.
5. ECD'S WILL BE INSTALLED ALONG THE ROW AS REQUIRED TO MAINTAIN SPOIL MATERIAL WITHIN DESIGNATED WORKSPACE DUE TO HIGHLY SATURATED SOILS AND INEFFICIENCY OF STACKING (ANGLE OF REPOSE).
6. BUOYANCY CONTROL AND/OR AC MITIGATION IS REQUIRED, TRENCH WIDTH AND ASSOCIATED SPOIL WILL INCREASE.
7. DITCH SPOIL, DITCH BOTTOM WIDTH AND EQUIPMENT LAYOUT SUBJECT TO EXISTING CONDITIONS AT TIME OF CONSTRUCTION.
8. SPOIL PILES DEPICTED IS BASED ON TRENCH VOLUME CALCULATED WITH A 1.25 SWELL FACTOR APPLIED.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR PERMIT	GIE	10/12/22	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/7/22	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/5/22	SC	JC

GULF Companies

DWN. BY:	GIE	10/5/22
CHK.	SC	10/5/22
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

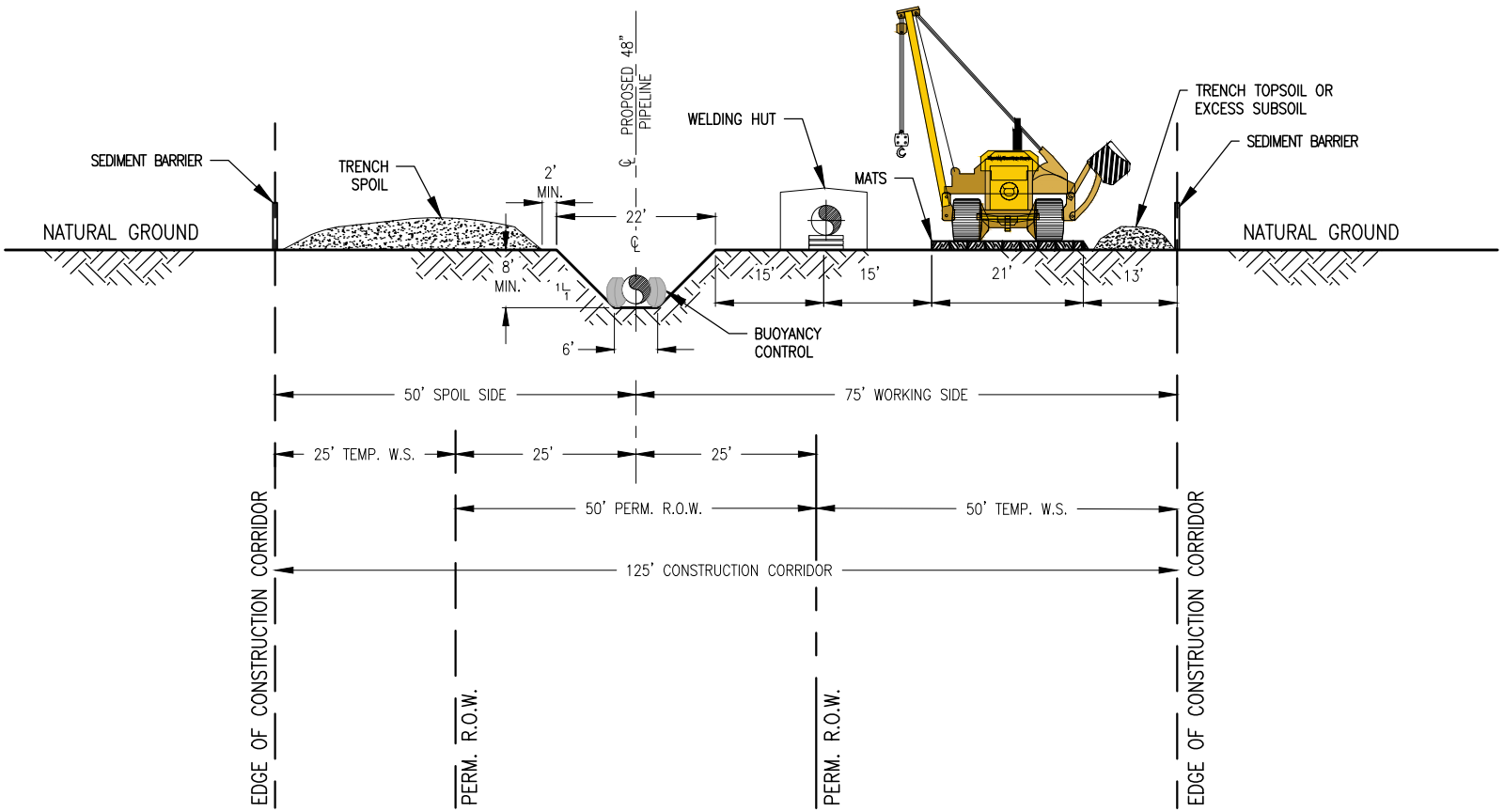
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND
CONSTRUCTION CORRIDOR
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
CX-588600-PPL-DTL-GIE-10000-002	1 OF 1	C

TYPICAL WETLAND CONSTRUCTION CORRIDOR

Type A and Type B Soils



NOTES:

1. TRENCH DIMENSIONS AND SPOIL PILES BASED ON TYPE B SOILS.
2. MINIMUM TRENCH DEPTH WILL BE AT LEAST 8 FEET.
3. PIPELINE MINIMUM DEPTH OF COVER SHALL BE 3 FEET.
4. DITCH LINE TOPSOIL WILL BE SEGREGATED (IF NOT SATURATED)
5. BUOYANCY CONTROL AND/OR AC MITIGATION IS REQUIRED, TRENCH WIDTH AND ASSOCIATED SPOIL WILL INCREASE.
6. DITCH SPOIL, DITCH BOTTOM WIDTH AND EQUIPMENT LAYOUT SUBJECT TO EXISTING CONDITIONS AT TIME OF CONSTRUCTION.
7. SPOIL PILES DEPICTED IS BASED ON TRENCH VOLUME CALCULATED WITH A 1.25 SWELL FACTOR APPLIED.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR PERMIT	GIE	10/12/22	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/7/22	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/5/22	SC	JC

GULF Companies

DWN. BY:	GIE	10/5/22
CHK.	SC	10/5/22
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

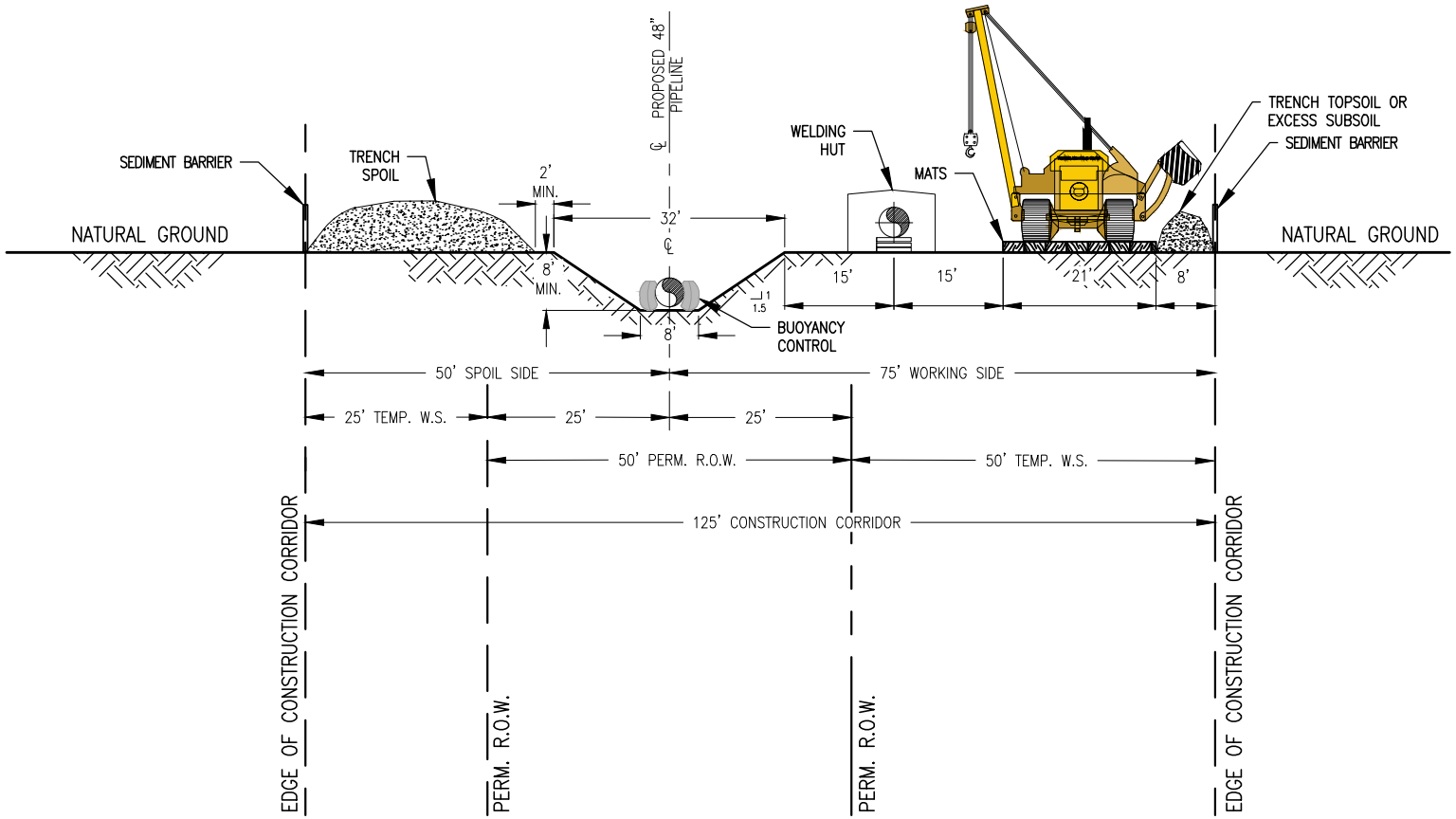
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND
CONSTRUCTION CORRIDOR
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
CX-588600-PPL-DTL-GIE-10000-003	1 OF 1	C

TYPICAL WETLAND CONSTRUCTION CORRIDOR

Type C Soils



NOTES:

1. TRENCH DIMENSIONS AND SPOIL PILES BASED ON TYPE C SOILS.
2. MINIMUM TRENCH DEPTH WILL BE AT LEAST 8 FEET.
3. PIPELINE MINIMUM DEPTH OF COVER SHALL BE 3 FEET.
4. DITCH LINE TOPSOIL WILL BE SEGREGATED (IF NOT SATURATED), A BARRIER WILL BE UTILIZED ON SPOIL SIDE BETWEEN NATURAL GROUND AND SUBSOIL STORAGE AREA.
5. ECD'S WILL BE INSTALLED ALONG THE ROW AS REQUIRED TO MAINTAIN SPOIL MATERIAL WITHIN DESIGNATED WORKSPACE DUE TO HIGHLY SATURATED SOILS AND INEFFICIENCY OF STACKING (ANGLE OF REPOSE).
6. DITCH SPOIL, DITCH BOTTOM WIDTH AND EQUIPMENT LAYOUT SUBJECT TO EXISTING CONDITIONS AT TIME OF CONSTRUCTION.
7. SPOIL PILES DEPICTED IS BASED ON TRENCH VOLUME CALCULATED WITH A 1.25 SWELL FACTOR APPLIED.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR PERMIT	GIE	10/12/22	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/7/22	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/5/22	SC	JC

GULF INTERSTATE ENGINEERING

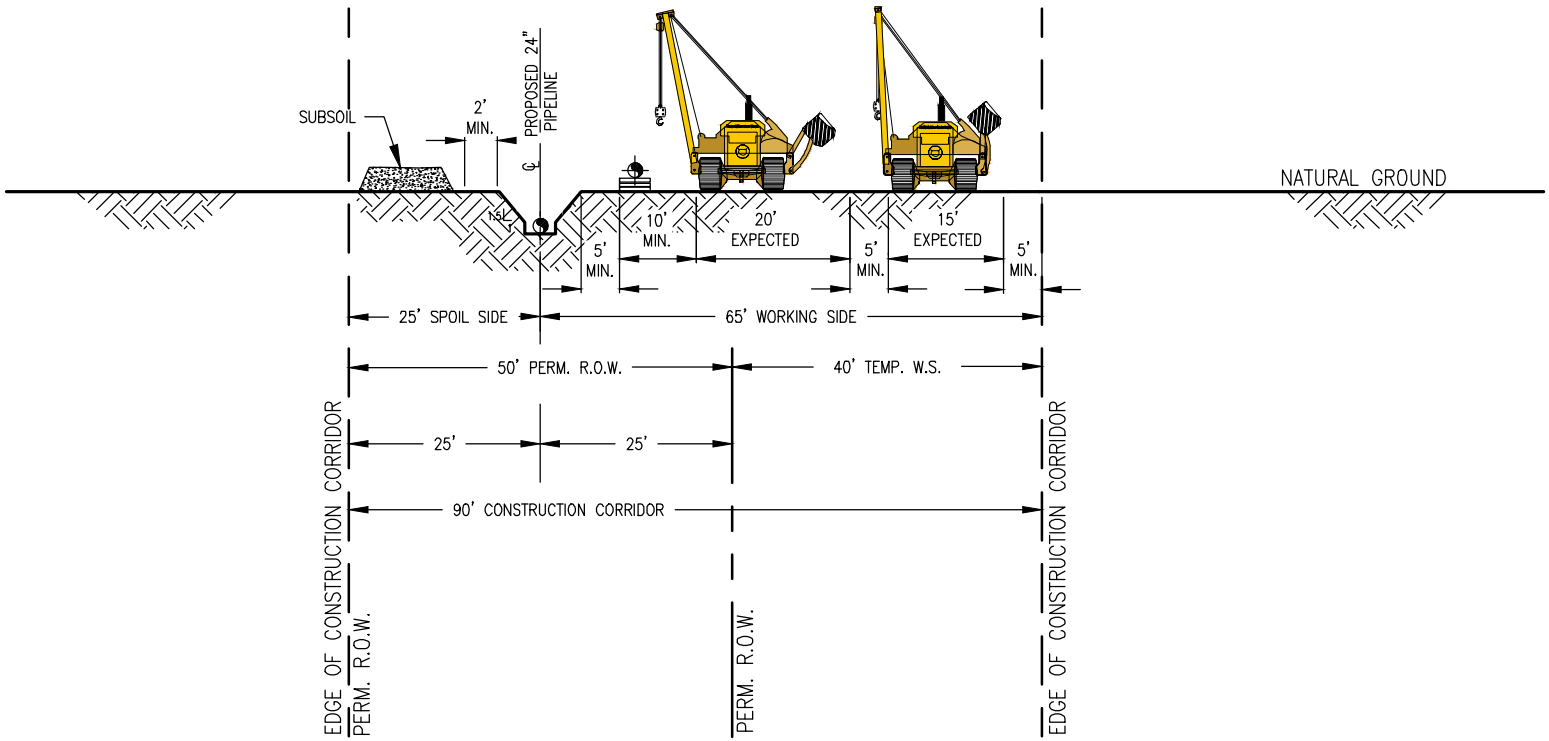
DWN. BY:	GIE	10/5/22
CHK.	SC	10/5/22
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND CONSTRUCTION CORRIDOR
PIPELINE (50' R.O.W.)
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
CX-588600-PPL-DTL-GIE-10000-004	1 OF 1	C

TYPICAL UPLAND CONSTRUCTION CORRIDOR



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	3/18/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	3/17/21	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	3/15/21	SC	JC

GULF Companies

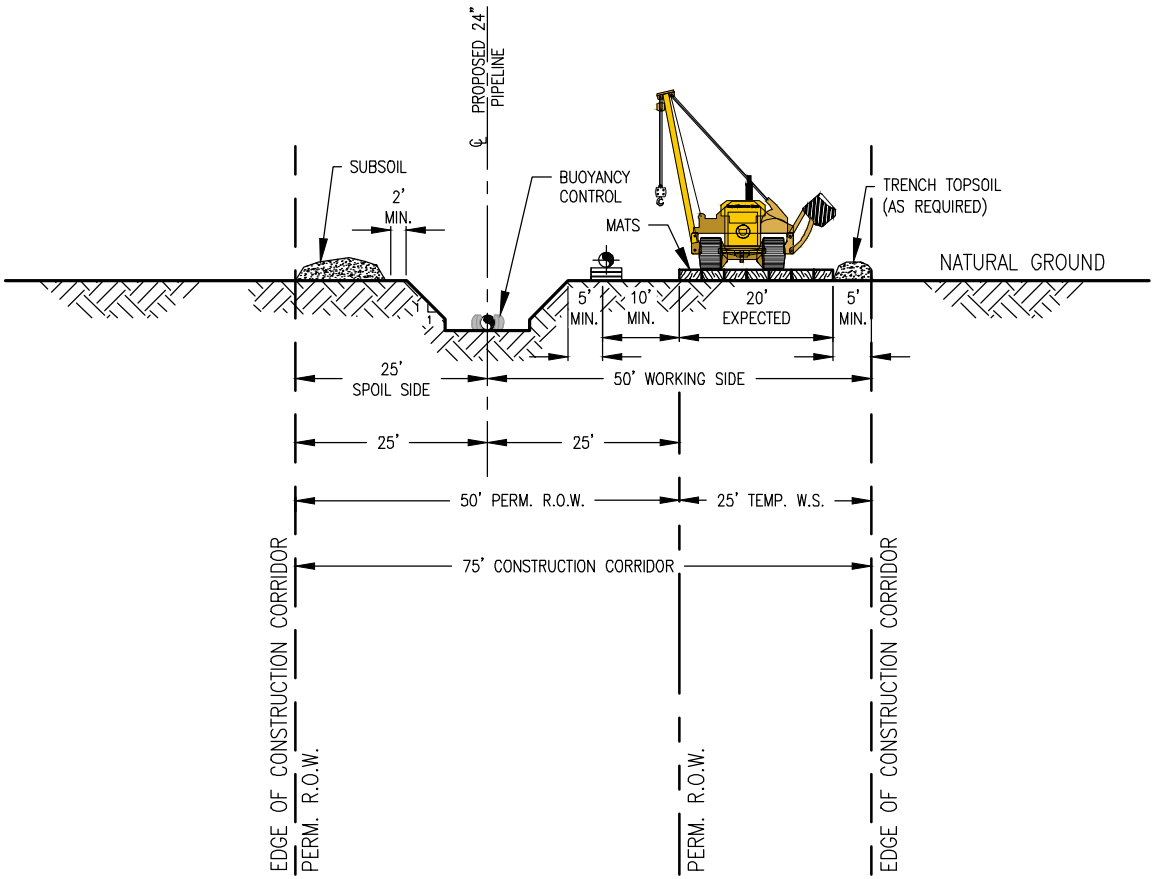
DWN. BY:	GIE	3/4/21
CHK.	SC	3/4/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL UPLAND
CONSTRUCTION CORRIDOR
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-001	1 OF 1	E

TYPICAL WETLAND CONSTRUCTION CORRIDOR



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	3/18/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	3/17/21	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	3/15/21	SC	JC

GULF Companies

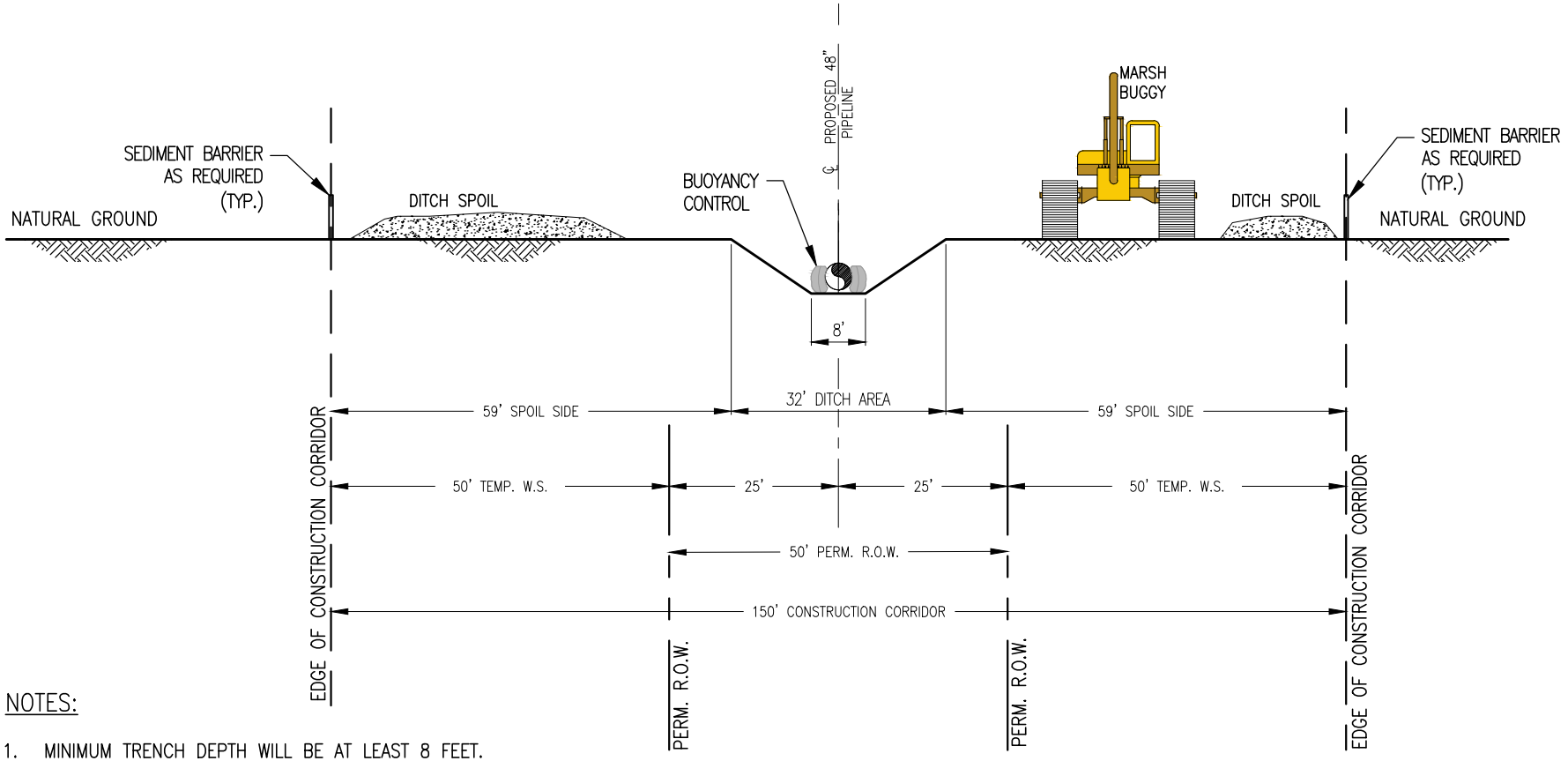
DWN. BY:	GIE	3/4/21
CHK.	SC	3/4/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL WETLAND
CONSTRUCTION CORRIDOR
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-003	1 OF 1	E

PIPELINE MARSH PUSH
CONSTRUCTION CORRIDOR



NOTES:

1. MINIMUM TRENCH DEPTH WILL BE AT LEAST 8 FEET.
2. PIPELINE MINIMUM DEPTH OF COVER SHALL BE 3 FEET.
3. DITCH SPOIL, DITCH BOTTOM WIDTH, AND EQUIPMENT LAYOUT IS SUBJECT TO EXISTING CONDITIONS AT TIME OF CONSTRUCTION.

VG DOC. NO.:
CX-588600-PPL-DTL-GIE-10000-005

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
0	ISSUED FOR PERMIT	GIE	10/12/22	SC	JC

GULF Companies

DWN. BY:	GIE	3/4/21
CHK.	SC	3/4/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

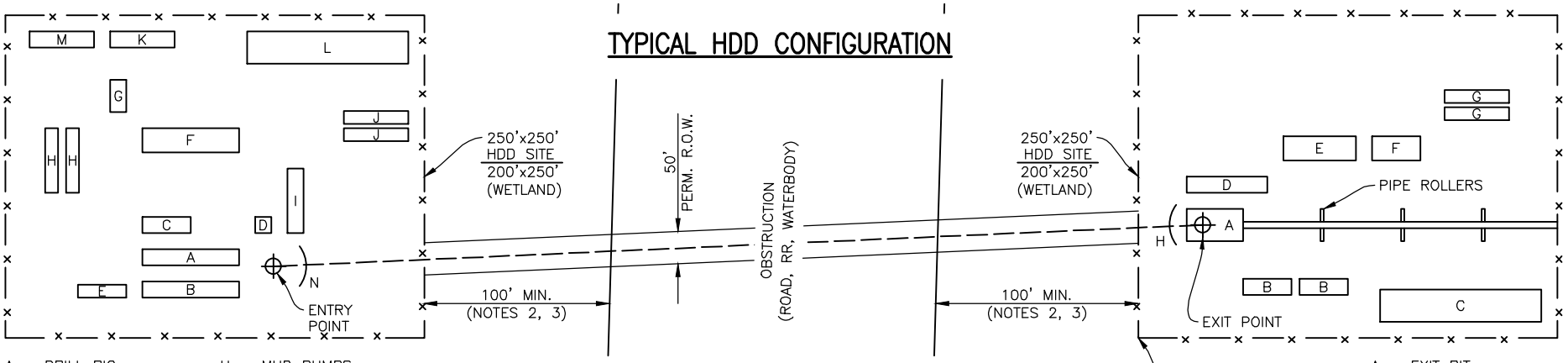
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
PIPELINE MARSH PUSH SITE
CONSTRUCTION CORRIDOR
LOUISIANA/ TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-004	1 OF 1	0

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-004.dwg Plotted on: Oct 12, 2022 - 9:06am by scarlson

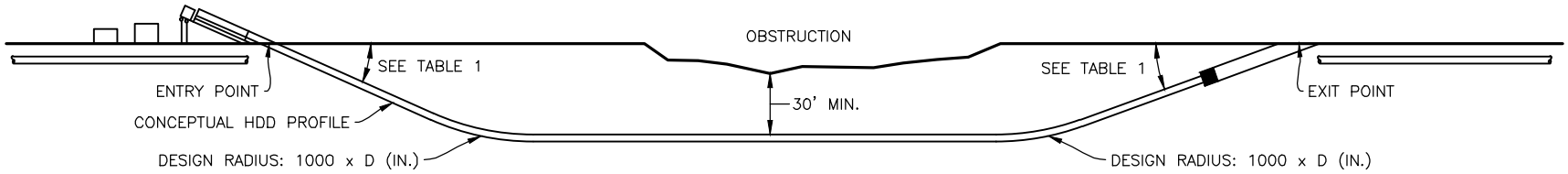
TYPICAL HDD CONFIGURATION



A – DRILL RIG
B – DRILLERS'S CONSOLE GENERATOR
C – DRILL PIPE
D – CRANE
E – PARTS VAN
F – MUD CLEANING UNIT
G – MUD MIXING UNIT
H – MUD PUMPS
I – MUD PIT
J – FRAC TANKS
K – DRILLING MUD (PALLETS)
L – PARKING
M – OFFICE TRAILER
N – CONTAINMENT BERM

PLAN
N.T.S.

A – EXIT PIT
B – LIFT EQUIPMENT
C – WELDING AREA
D – MUD PIT
E – MUD CLEANING
F – GENERATOR
G – FRAC TANKS
H – CONTAINMENT BERM



PROFILE
N.T.S.

NOTES:

1. ANY DEVIATION FROM RECOMMENDED DESIGN IS SUBJECT TO OWNER ENGINEER'S APPROVAL.
2. SETBACK MAY BE ADJUSTED BASED ON GEOTECHNICAL ANALYSIS.
3. DO NOT CLEAR OR GRADE WITHIN THE SETBACK ZONE.
4. DESIGN CURVATURE RADIUS: 1000 X D.
5. ONLY HAND CLEARING WILL OCCUR IN THE HDD CONSTRUCTION R.O.W. WIDTH TO ALLOW FOR THE PLACEMENT OF THE TRU TRACKER GUIDANCE WIRES (APPROX. 5' WIDTH FOR EACH WIRE).
6. ONLY MINOR CLEARING WILL OCCUR IN THE HDD CONSTRUCTION R.O.W. WIDTH FOR THE PLACEMENT OF TEMPORARY WATER PIPELINES FOR HYDROSTATIC TESTING & PUMP AND FILL; AS DETAILED ON SITE SPECIFIC HDD DRAWINGS, ACCESS LOCATIONS.
7. THE EQUIPMENT LAYOUT SHOWN IS TYPICAL AND VARY DUE TO SITE CONDITIONS AND WILL BE FIELD DETERMINED BY THE CONTRACTOR.

TABLE 1	
ENTRY ANGLES	6°–12°
EXIT ANGLES	6°–10°

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	3/18/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	3/17/21	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	3/15/21	SC	JC

GULF Companies

DWN. BY:	GIE	3/4/21
CHK.	SC	3/4/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
HDD CONFIGURATION
LOUISIANA / TEXAS

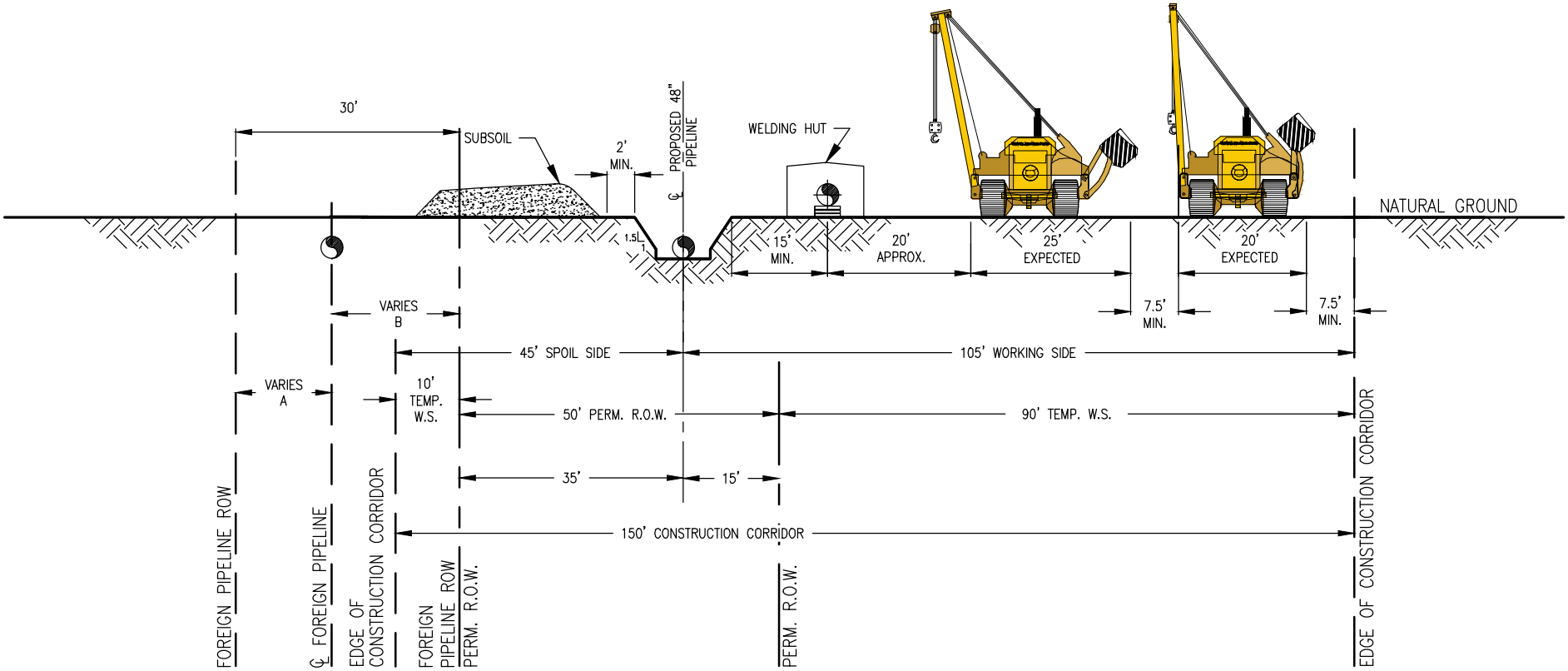
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-005	1 OF 1	E

TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
KMLP	23.70	24.59	4,720	15	15
TARGA	39.38	39.80	2,247	15	15

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
D	ISSUED FOR FER FILING	CS	9/2/21	JB	JC
C	ISSUED FOR FER FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	4/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	4/6/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE (30' R.O.W.)
LOUISIANA / TEXAS

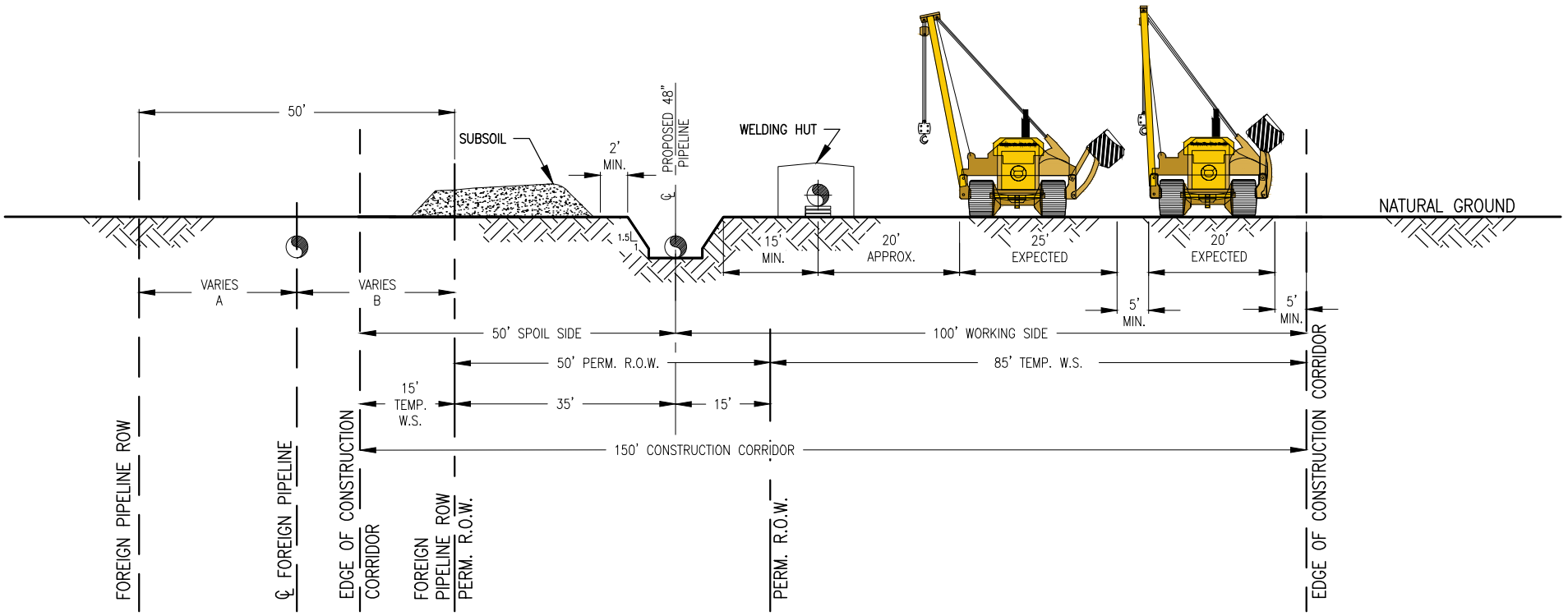
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-006	1 OF 1	E

TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
WILLIAMS	0.17	2.55	12,589	25	25
ENBRIDGE	18.17	18.54	1,967	25	25
KMLP	42.45	42.90	2,325	25	25
KMLP	44.59	44.82	1,176	25	25

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
F	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
E	ISSUED FOR FERC FILING	GIE	9/23/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	4/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	4/6/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE (50' R.O.W.)
LOUISIANA / TEXAS

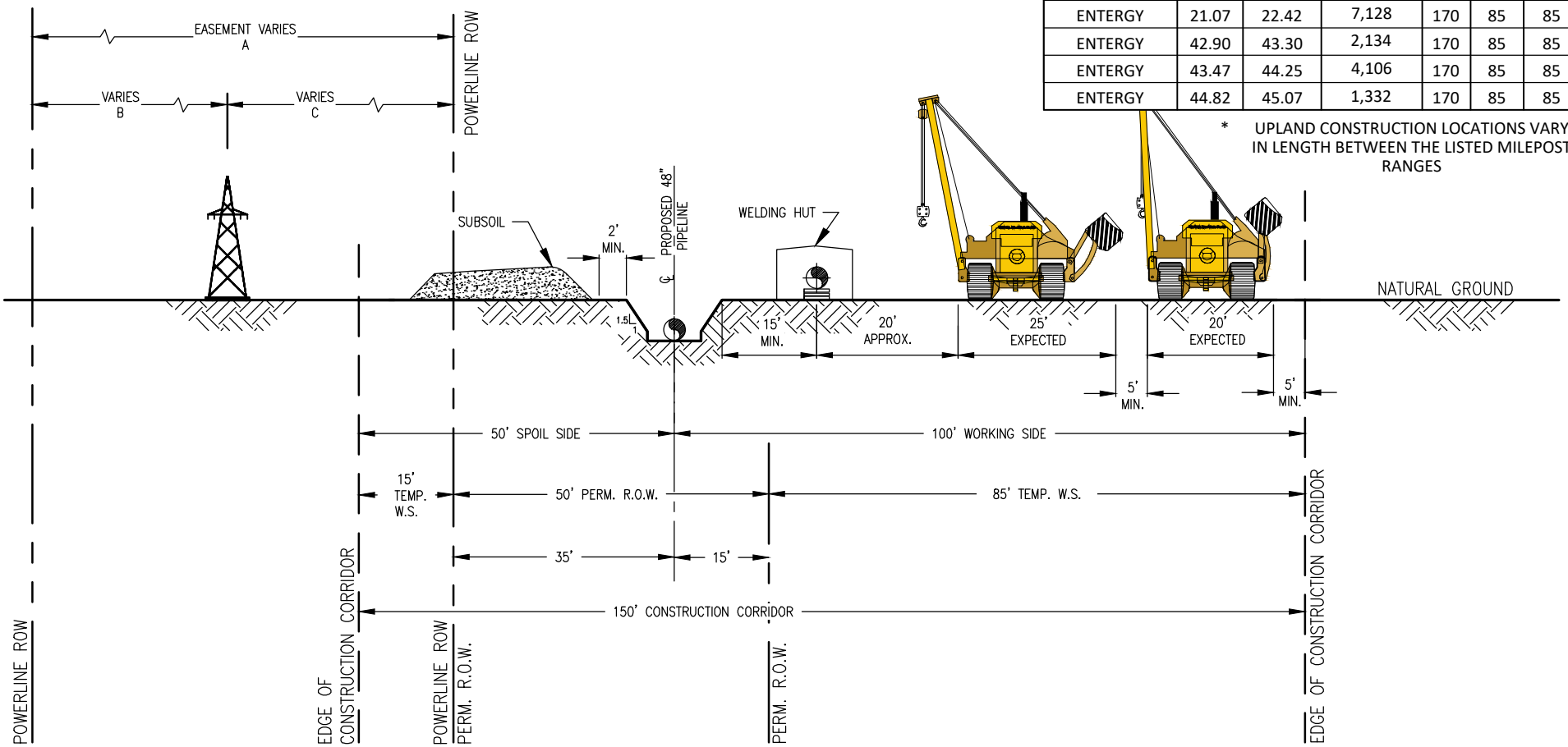
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-007	1 OF 1	F

TYPICAL UPLAND CO-LOCATION WITH OVERHEAD POWERLINE CONSTRUCTION CORRIDOR

POWERLINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	B	C
ENTERGY	2.55	6.41	20,378	164	82	82
ENTERGY	8.23	14.77	34,555	134	67	67
ENTREGY/CLECO	16.45	17.63	6,258	317	VARIES	VARIES
ENTERGY	18.56	19.90	7,075	170	85	85
ENTERGY	21.07	22.42	7,128	170	85	85
ENTERGY	42.90	43.30	2,134	170	85	85
ENTERGY	43.47	44.25	4,106	170	85	85
ENTERGY	44.82	45.07	1,332	170	85	85

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
D	ISSUED FOR FERC FILING	CS	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	4/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	4/6/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND CO-LOCATION WITH OVERHEAD POWERLINE
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-008	1 OF 1	E

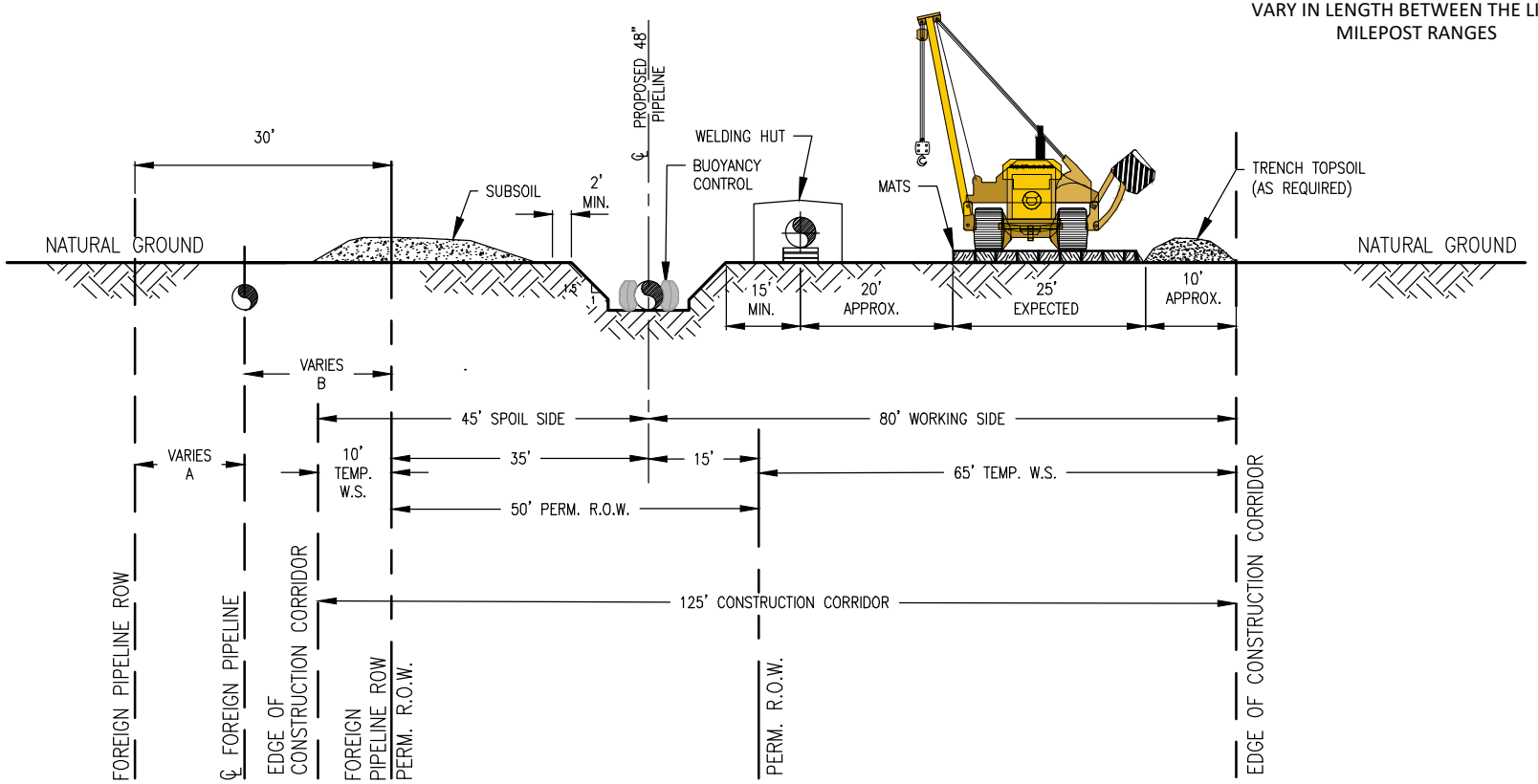
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-008.dwg Plotted on: Oct 13, 2021 - 8:04am by cscciola

TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
KMLP	23.70	24.59	4,720	15	15
TARGA	39.38	39.80	2,247	15	15

* WETLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
D	ISSUED FOR FERC FILING	CS	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	5/17/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	5/13/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE (30' R.O.W.)
LOUISIANA / TEXAS

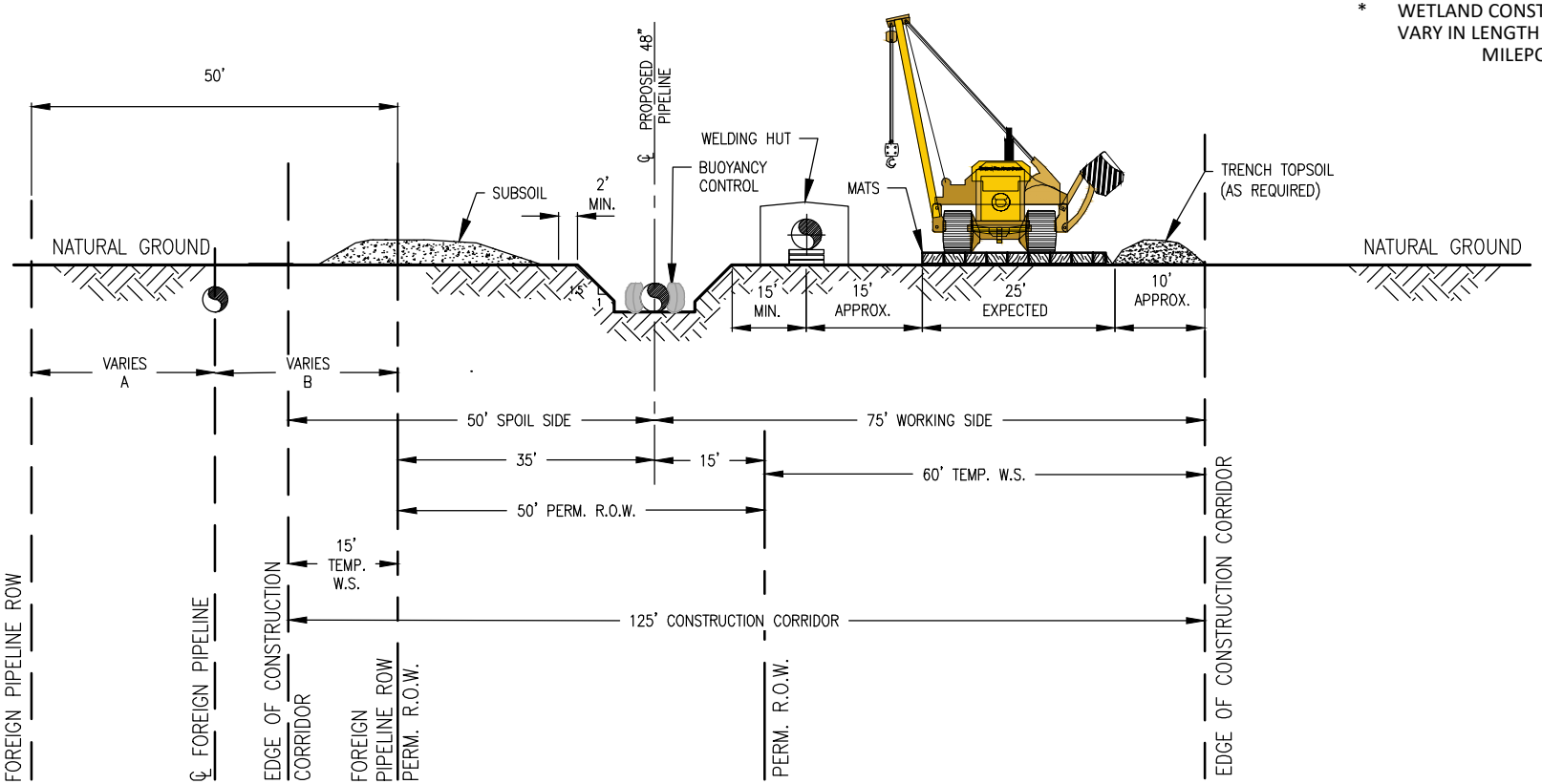
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-040	1 OF 1	E

TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
WILLIAMS	0.17	2.55	12,589	25	25
ENBRIDGE	18.17	18.54	1,967	25	25
KMLP	42.45	42.90	2,325	25	25
KMLP	44.59	44.82	1,176	25	25

* WETLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
F	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
E	ISSUED FOR FERC FILING	GIE	9/23/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	5/17/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	5/13/21	SC	JC

GULF Companies

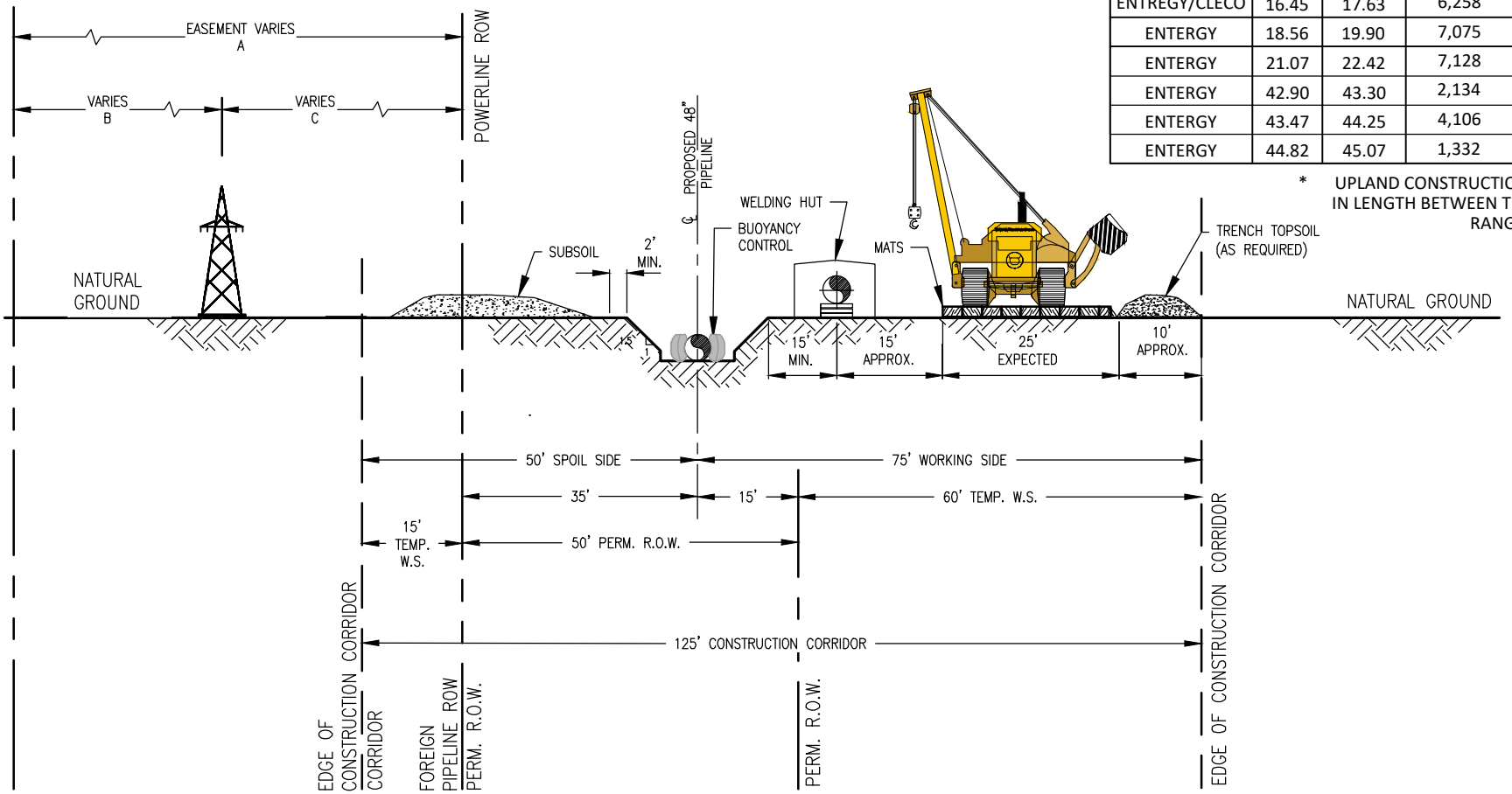
DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE (50' R.O.W.)
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-041	1 OF 1	F

TYPICAL WETLAND CO-LOCATION WITH OVERHEAD POWERLINE CONSTRUCTION CORRIDOR



POWERLINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET		
				A	B	C
ENTERGY	2.55	6.41	20,378	164	82	82
ENTERGY	8.23	14.77	34,555	134	67	67
ENTREGY/CLECO	16.45	17.63	6,258	317	VARIES	VARIES
ENTERGY	18.56	19.90	7,075	170	85	85
ENTERGY	21.07	22.42	7,128	170	85	85
ENTERGY	42.90	43.30	2,134	170	85	85
ENTERGY	43.47	44.25	4,106	170	85	85
ENTERGY	44.82	45.07	1,332	170	85	85

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
D	ISSUED FOR FERC FILING	CS	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	5/17/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	5/13/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

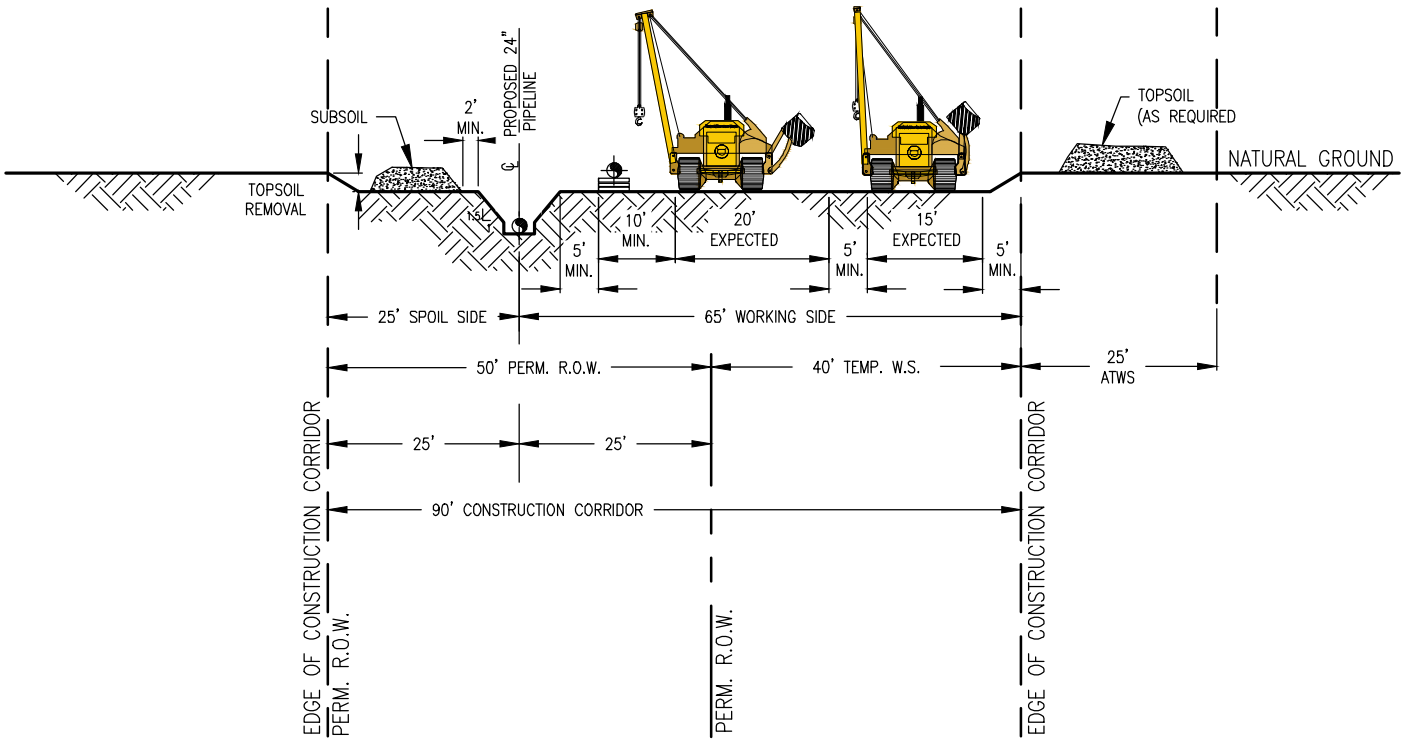
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND CO-LOCATION WITH OVERHEAD POWERLINE
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-042	1 OF 1	E

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-042.dwg Plotted on: Oct 13, 2021 - 8:05am by casciola

TYPICAL UPLAND CONSTRUCTION CORRIDOR



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	3/18/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	3/17/21	SC	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	3/15/21	SC	JC

GULF Companies

DWN. BY:	GIE	3/4/21
CHK.	SC	3/4/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL UPLAND SOIL SEGREGATION
CONSTRUCTION CORRIDOR
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-002	1 OF 1	E

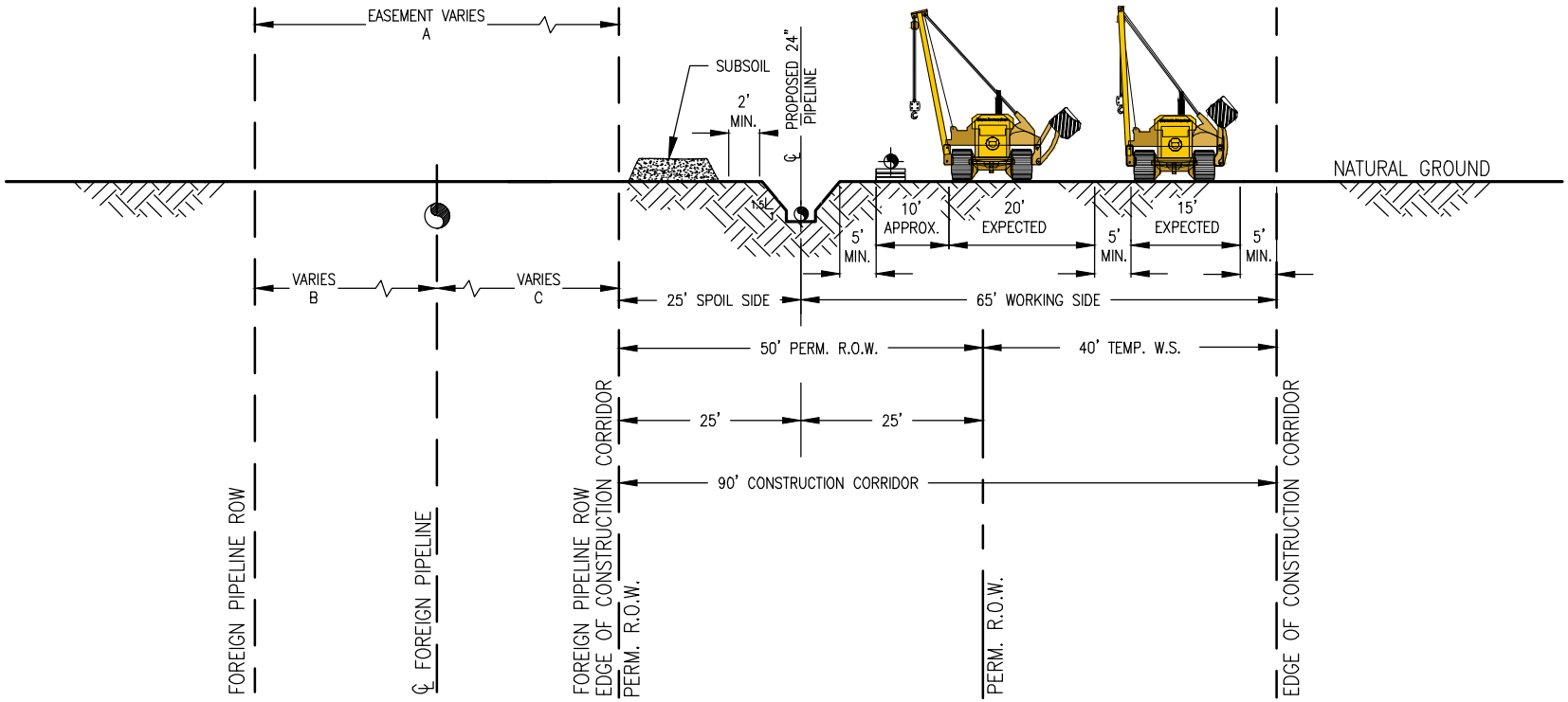
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-101-PL-DWG-7007-002.dwg Plotted on: Sep 02, 2021 - 8:24am by cstovall

TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP	END MP	LENGTH FEET	WIDTH FEET		
				A	B	C
GOLDEN PASS	1.04	3.10	10,906	50	25	25
GOLDEN PASS	3.46	5.19	9,147	50	25	25

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
E	ISSUED FOR FERC FILING	GIE	9/23/21	JB	JC
D	ISSUED FOR FERC FILING	GIE	9/2/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	5/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	4/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	4/5/21	SC	JC

GULF Companies

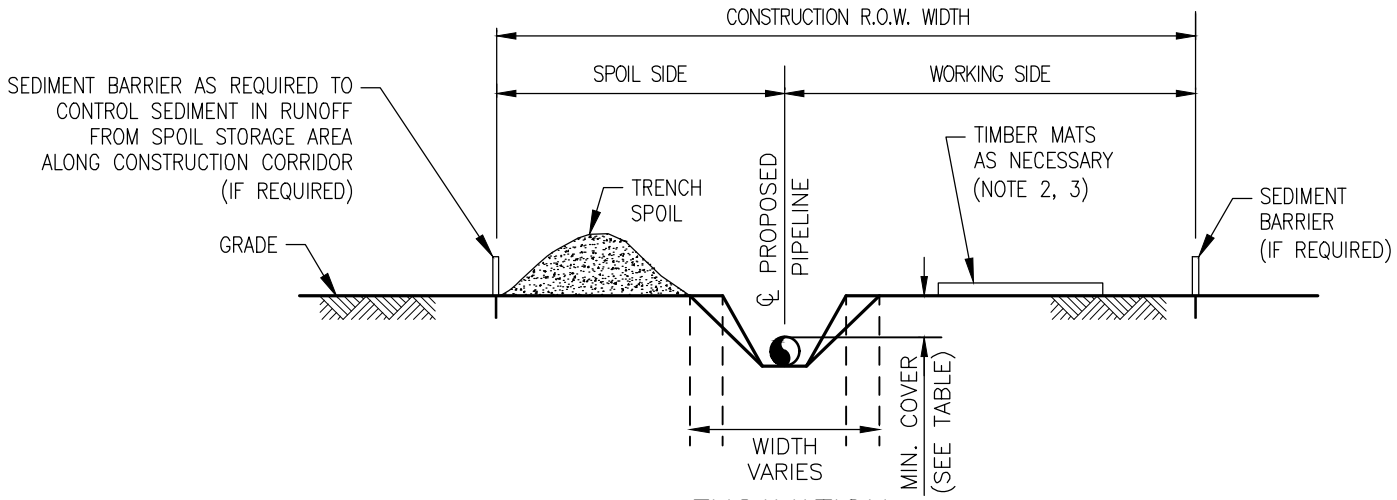
DWN. BY:	GIE	4/1/21
CHK.	SC	4/1/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

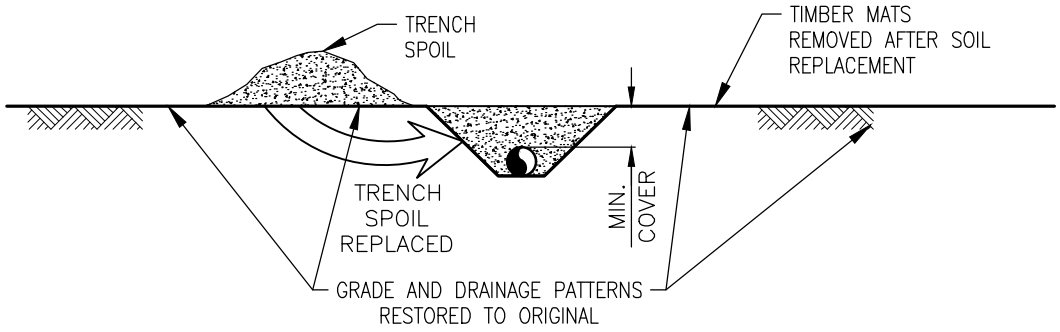
CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-004	1 OF 1	E

CROSS-SECTION VIEW OF TYPICAL TRENCH PIPELINE INSTALLATION



EXCAVATION CROSS SECTION
(N.T.S.)



FILL CROSS SECTION
N.T.S.

TABLE

PIPE MINIMUM DEPTH OF COVER	
LOCATION	NORMAL SOIL
ALL LOCATIONS NOT SPECIFIED	36"
AGRICULTURAL LAND	48" (NOTE 1)
DRAINAGE DITCHES – AGRICULTURAL AND IMPROVED PASTURES	36"
STREAM AND WATERWAY CROSSINGS – NOT IN AGRICULTURAL OR IMPROVED PASTURES	48"
ROADWAYS	60"
RAILROADS	120"

NOTES:
1. TO BE DETERMINED BY LANDOWNER AGREEMENT.
2. HEAVY EQUIPMENT WORKING IN WETLANDS WOULD BE PLACED ON MATS OR OTHER MEASURES WOULD BE TAKEN TO MINIMIZE SOIL DISTURBANCE. EXCEPT FOR PUSH SECTIONS.
3. MATS NOT REQUIRED IN PUSH OR MARSH SECTIONS.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

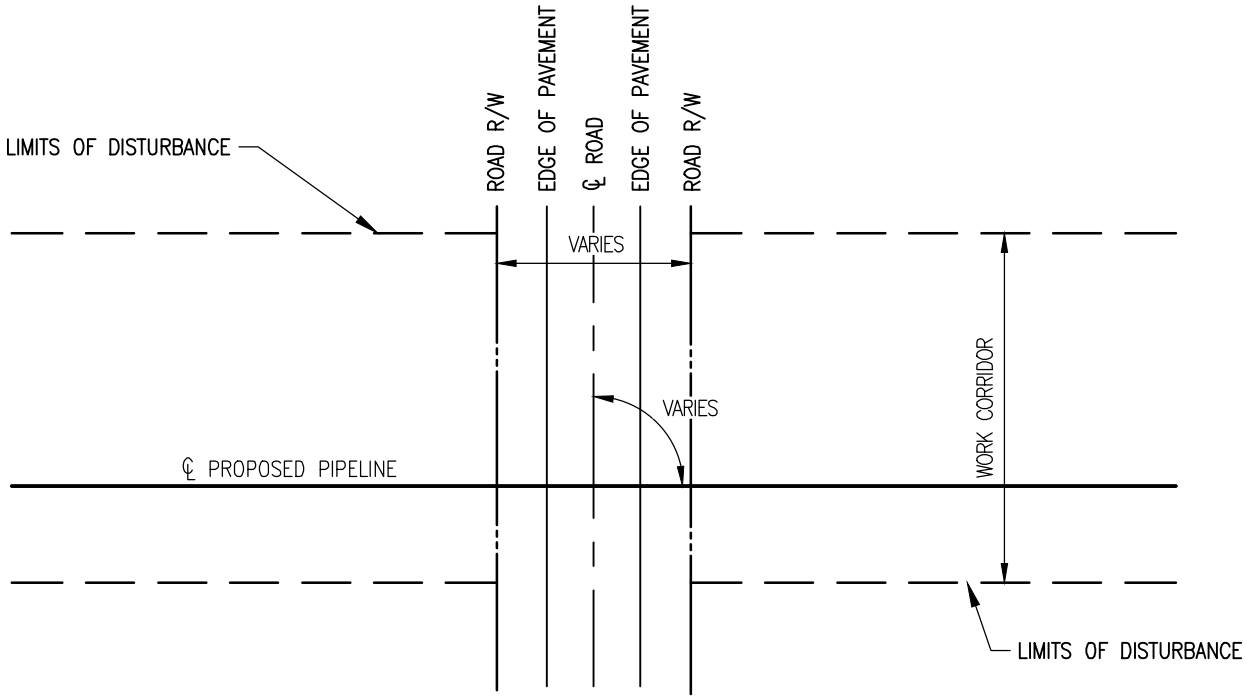
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

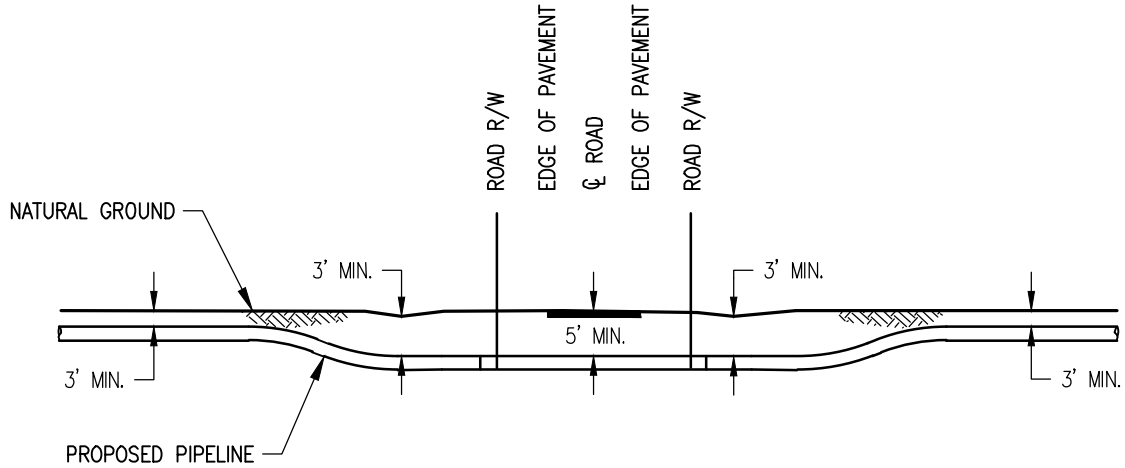
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
CROSS-SECTION VIEW OF TYPICAL TRENCH PIPELINE INSTALLATION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-009	1 OF 1	C

TYPICAL ROAD CROSSING
(OPEN CUT)



PLAN
N.T.S.



PROFILE
N.T.S.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

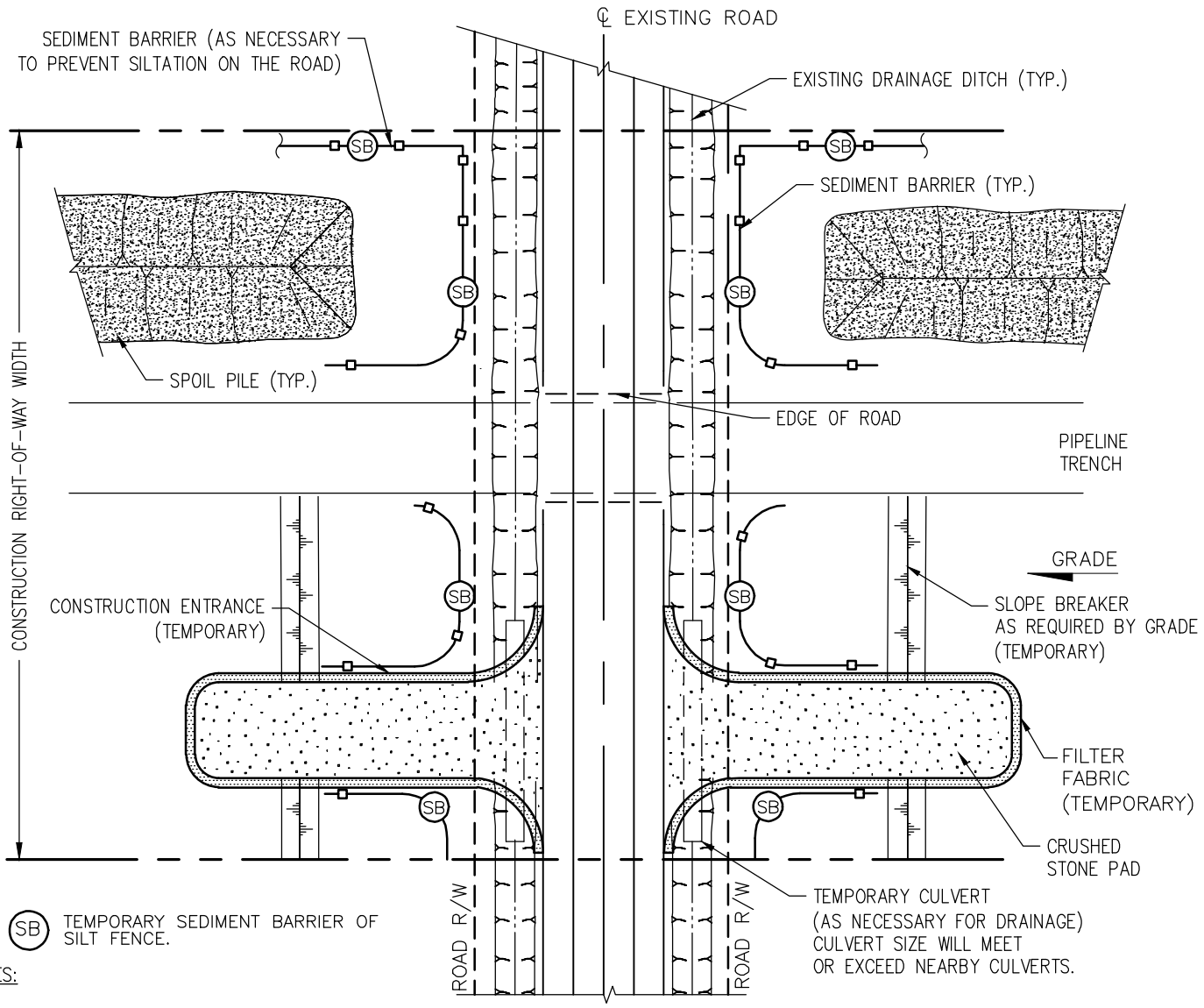
CP EXPRESS

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL ROAD CROSSING
(OPEN CUT)
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-010	1 OF 1	C

TYPICAL ROAD CROSSING
CONTROL MEASURE (OPEN CUT)



NOTES:

1. PROVIDE MINIMUM OF 3 FEET OF COVER BETWEEN TOP OF PIPE AND LOWEST POINT IN THE BORROW DITCHES, OR PROVIDE MINIMUM 5 FEET OF COVER BETWEEN PIPE AND TOP OF ROAD SURFACE, OR MINIMUM DEPTH REQUIRED BY PERMIT, WHICHEVER DIMENSION PROVIDES GREATER DEPTH FOR PIPELINE.
2. TRENCH SHALL BE EXCAVATED IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. SEDIMENT BARRIERS SHALL BE INSTALLED AT THE BASE OF SLOPES ADJACENT TO ROAD CROSSINGS WHERE VEGETATION IS DISTURBED TO INTERCEPT SURFACE RUNOFF.
4. PROTECTION FOR SPOIL PILES SHALL BE INSTALLED ONLY WHERE SEDIMENT BARRIERS ACROSS THE ENTIRE DISTURBED AREA ARE NOT REQUIRED,
5. SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT REVEGETATION IS ESTABLISHED.
6. WATER REMOVED FROM TRENCH SHALL BE FILTERED THROUGH A DEWATERING STRUCTURE OR FILTER BAG.
7. CONTRACTOR SHALL BE REQUIRED TO KEEP THE ROAD CLEAN OF DEBRIS AT ALL TIMES.
8. CONTRACTOR MAY ELECT TO UTILIZE SHEET PILING IN ORDER TO STABILIZE TRENCH.
9. DEPENDING ON TOPOGRAPHY AND STATE REQUIREMENTS, SEDIMENT BARRIERS MAY BE REQUIRED ACROSS THE ENTIRE CONSTRUCTION RIGHT OF WAY AT THE EDGE OF ROAD.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

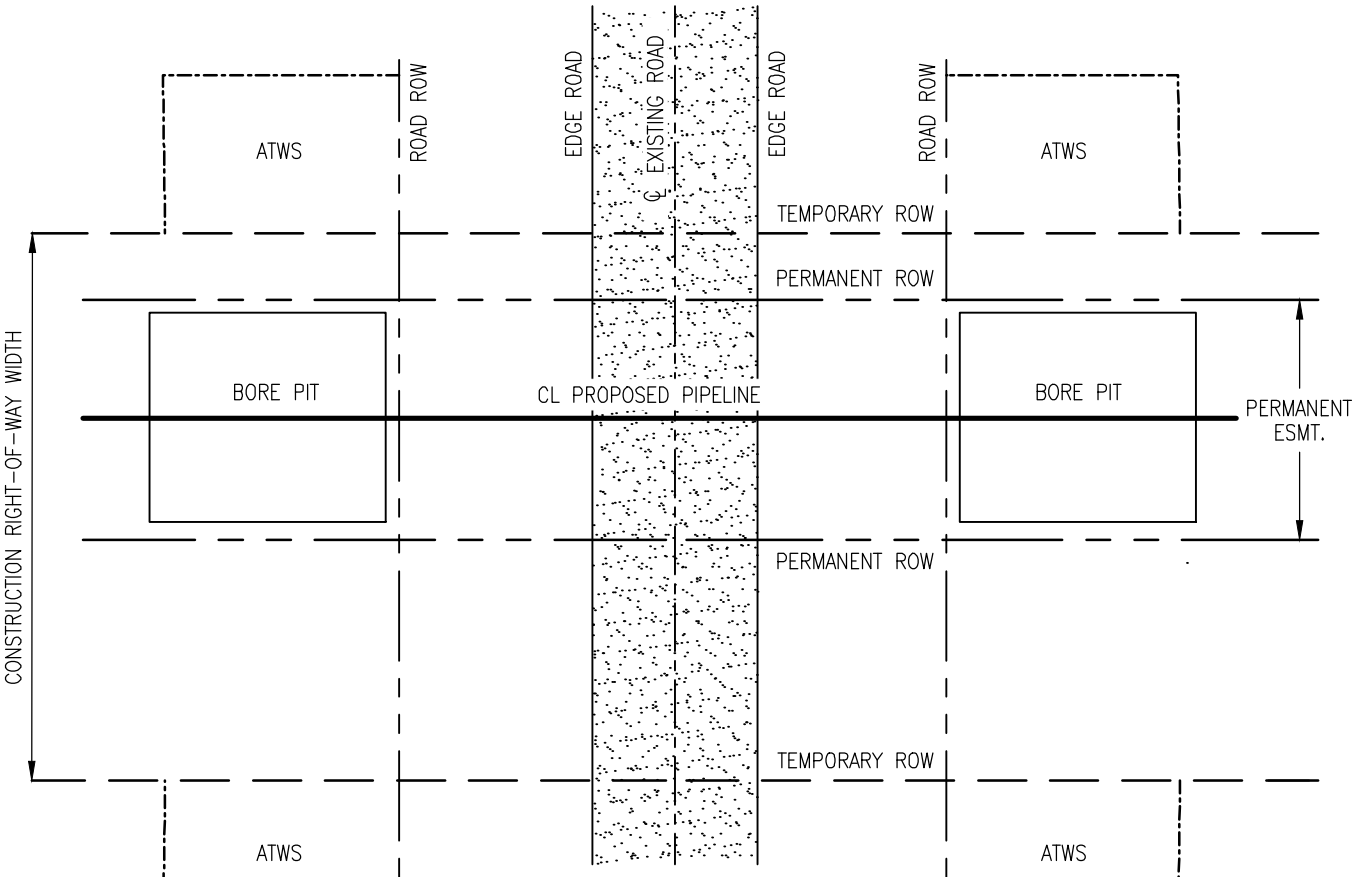
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL ROAD CROSSING
CONTROL MEASURE (OPEN CUT)
LOUISIANA / TEXAS

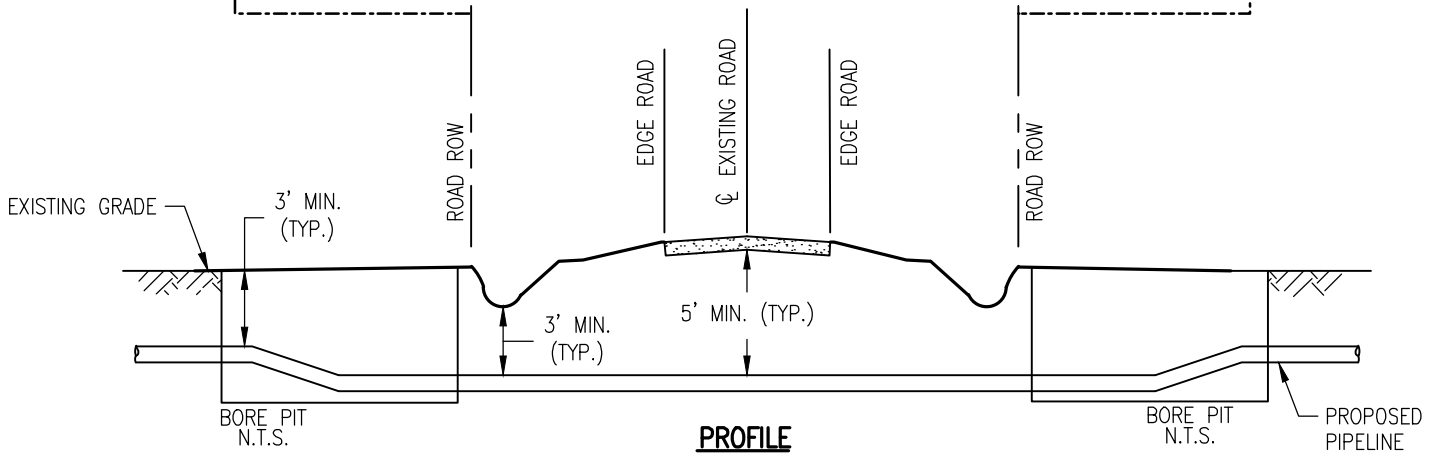
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-011	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-011.dwg Plotted on: Sep 02, 2021 - 7:52am by cstovall

TYPICAL
ROAD BORE CROSSING



PLAN



PROFILE

NOTES:

1. NO EXCAVATION WILL OCCUR WITHIN ROAD ROW WITHOUT APPROVAL.
2. TOP OF PIPE WILL BE INSTALLED A MINIMUM OF 5 FEET UNDER ROAD AND 3 FEET BELOW THE BAR DITCH.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	SC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

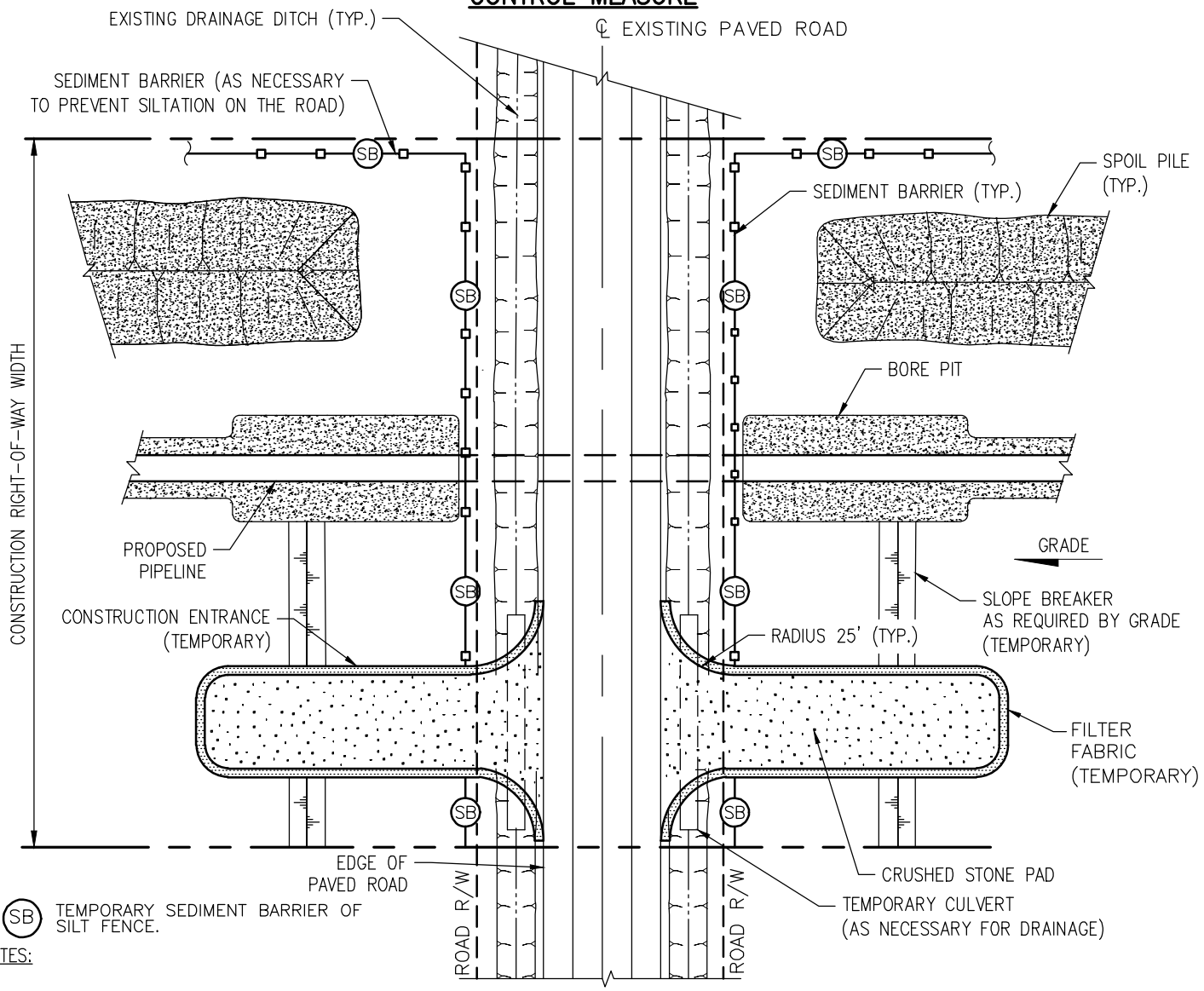
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
ROAD BORE CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-012	1 OF 1	C

TYPICAL BORED ROAD CROSSING CONTROL MEASURE



NOTES:

1. PROVIDE MINIMUM OF 3 FEET OF COVER BETWEEN TOP OF PIPE AND LOWEST POINT IN THE BORROW DITCHES, AND PROVIDE MINIMUM 5 FEET OF COVER BETWEEN PIPE AND TOP OF ROAD SURFACE, OR MINIMUM DEPTH REQUIRED BY PERMIT, WHICHEVER DIMENSION PROVIDES GREATER DEPTH FOR PIPELINE.
2. TRENCH AND BORE PIT SHALL BE EXCAVATED IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. SEDIMENT BARRIERS SHALL BE INSTALLED AT THE BASE OF SLOPES ADJACENT TO ROAD CROSSINGS WHERE VEGETATION IS DISTURBED TO INTERCEPT SURFACE RUNOFF.
4. PROTECTION FOR SPOIL PILES SHALL BE INSTALLED ONLY WHERE SEDIMENT BARRIERS ACROSS THE ENTIRE DISTURBED AREA ARE NOT REQUIRED,
5. SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT REVEGETATION IS ESTABLISHED.
6. WATER REMOVED FROM BORE PIT AND RECEIVING PIT SHALL BE FILTERED THROUGH A DEWATERING STRUCTURE OR FILTER BAG.
7. IF WELL POINT DEWATERING IS REQUIRED PRIOR TO EXCAVATING BORE PITS, CONTRACTOR SHALL CONSULT WITH COMPANY'S ENVIRONMENTAL INSPECTOR PRIOR TO COMMENCEMENT OF WORK IN ORDER TO DETERMINE PROPER DEWATERING DISCHARGE LOCATION.
8. CONTRACTOR SHALL BE REQUIRED TO KEEP THE ROAD CLEAN OF DEBRIS AT ALL TIMES.
9. CONTRACTOR MAY ELECT TO UTILIZE SHEET PILING IN ORDER TO STABILIZE TRENCH.
10. DEPENDING ON TOPOGRAPHY AND STATE REQUIREMENTS, SEDIMENT BARRIERS MAY BE REQUIRED ACROSS THE ENTIRE CONSTRUCTION RIGHT OF WAY AT THE EDGE OF ROAD.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

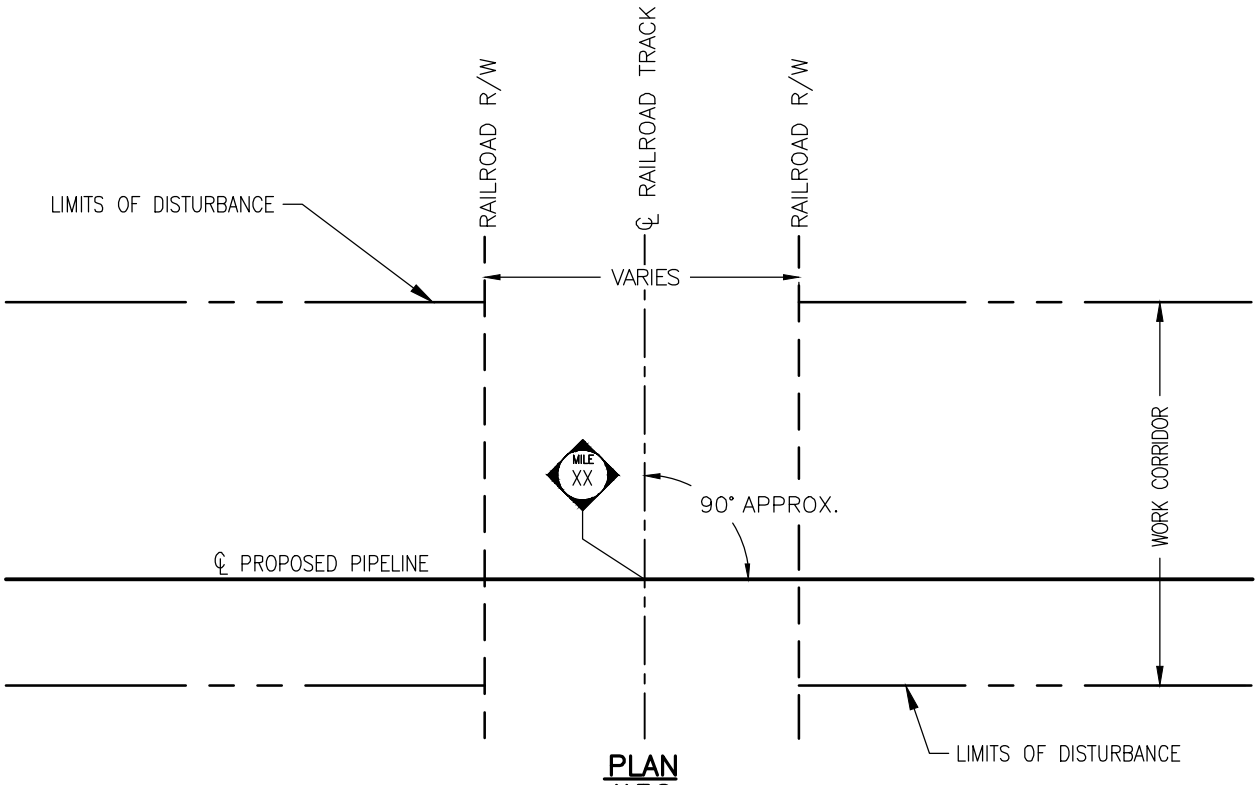
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL BORED ROAD CROSSING
CONTROL MEASURE
LOUISIANA / TEXAS

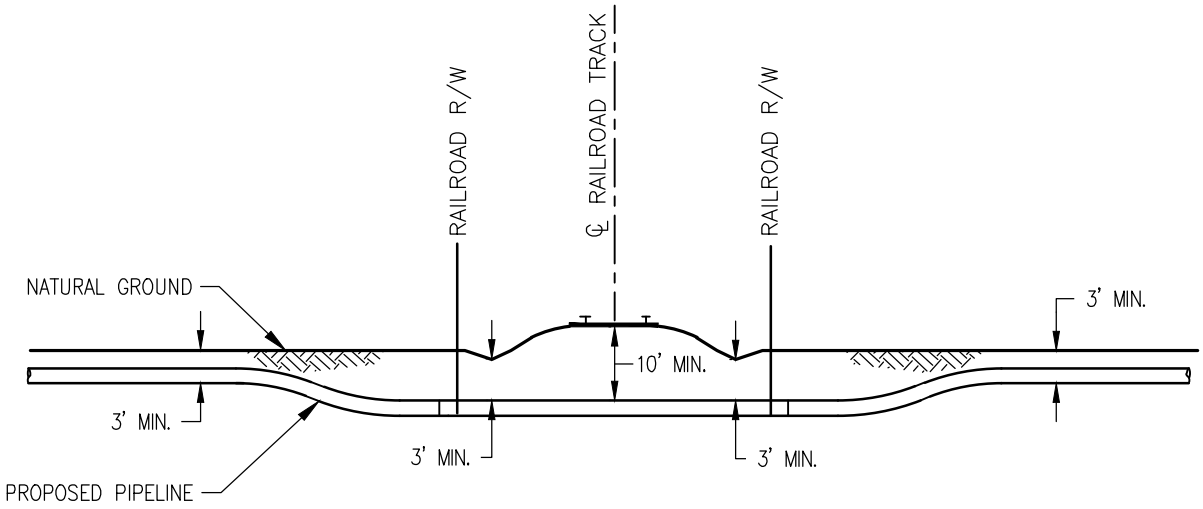
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-013	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-013.dwg Plotted on: Sep 02, 2021 - 7:53am by cstovall

TYPICAL
RAILROAD CROSSING



PLAN
N.T.S.



PROFILE
N.T.S.

NOTES:

1. NO EXCAVATION WILL OCCUR WITHIN RAILROAD R.O.W. WITHOUT APPROVAL.
2. TOP OF PIPE WILL BE INSTALLED A MINIMUM OF 10 FEET UNDER RAILROAD.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

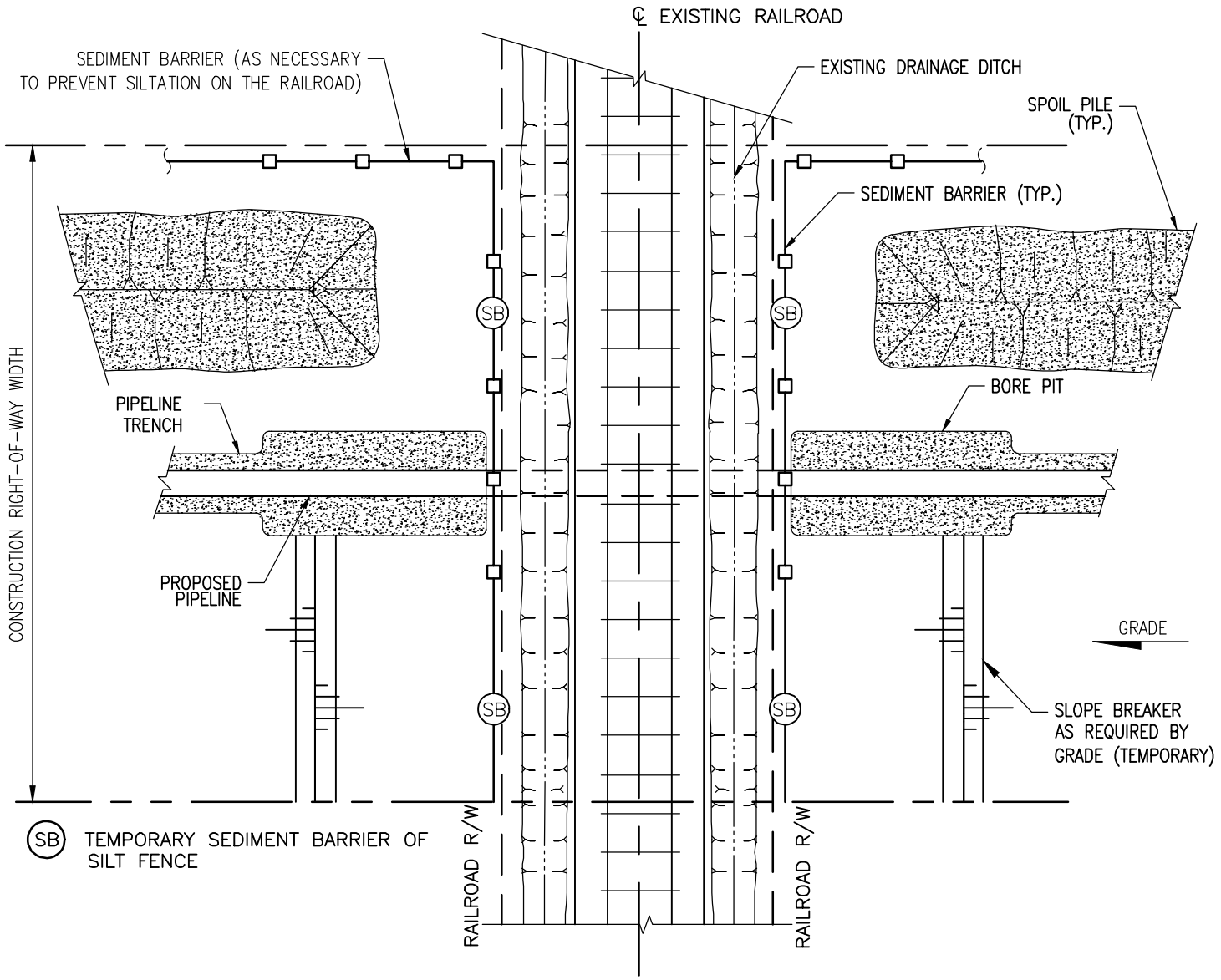
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
RAILROAD CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-014	1 OF 1	C

TYPICAL BORED RAILROAD CROSSING CONTROL MEASURE



NOTES:

1. PROVIDE MINIMUM OF 3 FEET OF COVER BETWEEN TOP OF PIPE AND LOWEST POINT IN THE BORROW DITCHES, AND PROVIDE MINIMUM 10 FEET OF COVER BETWEEN PIPE AND BOTTOM OF RAILROAD BALLAST, OR MINIMUM DEPTH REQUIRED BY PERMIT, WHICHEVER DIMENSION PROVIDES GREATER DEPTH FOR PIPELINE.
2. TRENCH AND BORE PIT SHALL BE EXCAVATED IN ACCORDANCE WITH OSHA REQUIREMENTS.
3. SEDIMENT BARRIERS FOR SPOIL PILES SHALL BE INSTALLED.
4. SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL PERMANENT REVEGETATION IS ESTABLISHED.
5. WATER REMOVED FROM BORE PIT AND RECEIVING PIT SHALL BE FILTERED THROUGH A DEWATERING DISCHARGE STRUCTURE OR FILTER BAG.
6. IF WELL POINTING IS REQUIRED PRIOR TO EXCAVATING BORE PITS, CONTRACTOR SHALL CONSULT WITH COMPANY'S ENVIRONMENTAL INSPECTOR PRIOR TO COMMENCEMENT OF WORK IN ORDER TO DETERMINE PROPER DEWATERING LOCATION.
7. CONTRACTOR MAY ELECT TO USE SHEET PILING IN ORDER TO STABILIZE BORE PITS.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

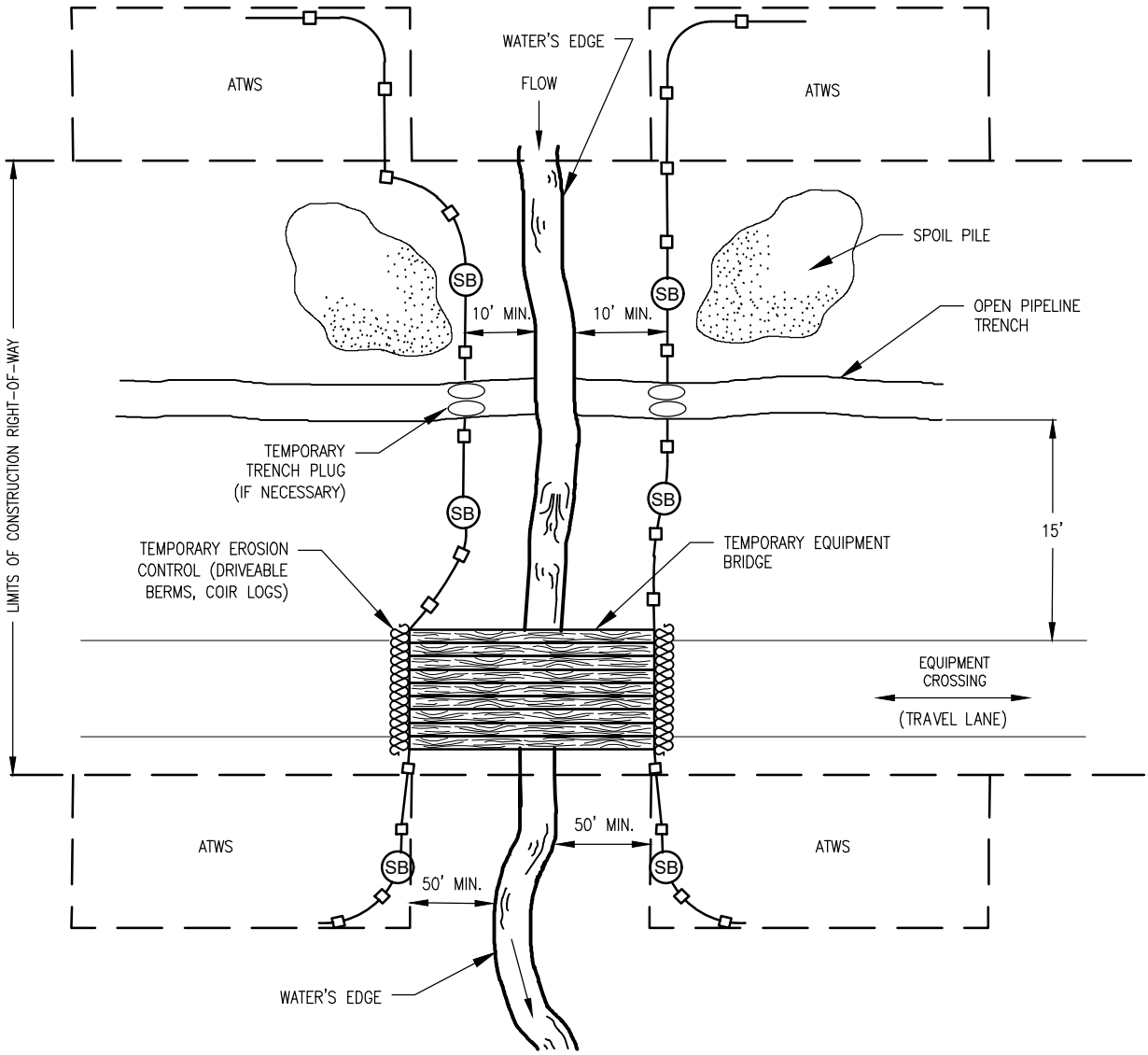
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL BORED RAILROAD CROSSING
CONTROL MEASURE
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-015	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-015.dwg Plotted on: Sep 02, 2021 - 7:54am by cstovall

TYPICAL WET WATERBODY CROSSING



NOTES:

1. (SB) TEMPORARY SEDIMENT BARRIER OF SILT FENCE AND/OR STRAW BALES, OR OTHER APPROPRIATE MATERIALS.
2. FOR MINOR WATERBODIES (<10 FEET WIDE MEASURED WATER'S EDGE TO EDGE), COMPLETE TRENCHING AND BACKFILLING IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 24 CONTINUOUS HOURS, EXCLUDING PUSH CONSTRUCTION AREAS.
3. FOR INTERMEDIATE WATERBODIES (>10 FEET to 100 FEET WIDE MEASURED WATER'S EDGE TO EDGE), COMPLETE TRENCHING AND BACKFILLING IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 48 CONTINUOUS HOURS, UNLESS SITE SPECIFIC CONDITIONS MAKE COMPLETION WITHIN 48 HOURS INFEASBILE, EXCLUDING PUSH CONSTRUCTION AREAS.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/13/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

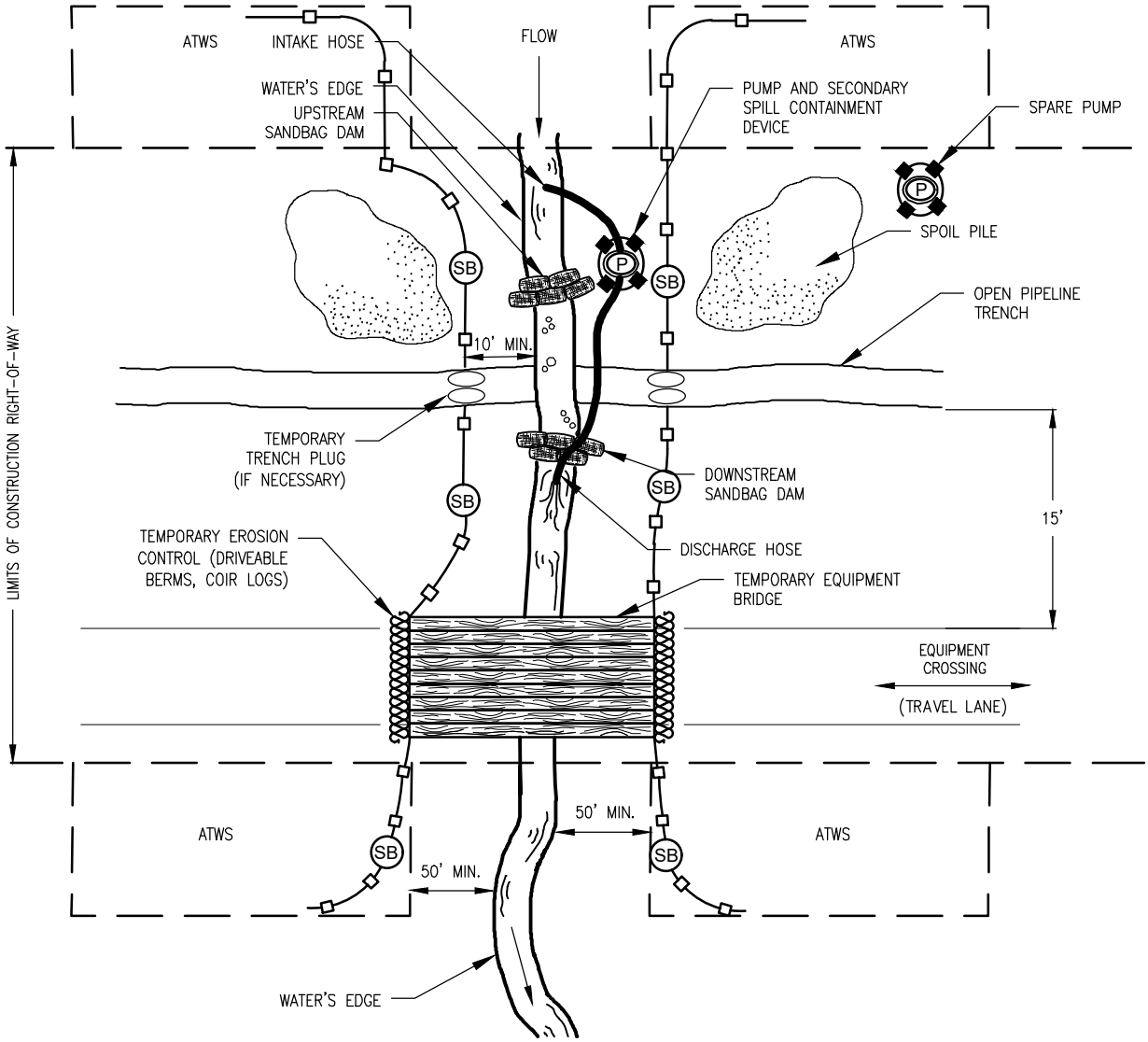
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
WET WATERBODY CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-016	1 OF 1	C

TYPICAL DAM-AND-PUMP WATERBODY CROSSING



NOTES:

1. (SB) TEMPORARY SEDIMENT BARRIER OF SILT FENCE AND/OR STRAW BALES, OR OTHER APPROPRIATE MATERIALS.
2. INSTALL AND SEAL SANDBAGS UPSTREAM AND DOWNSTREAM OF THE CROSSING
3. CREATE AN UPSTREAM SUMP USING SANDBAGS IF NATURAL SUMP IS UNAVAILABLE FOR THE INTAKE HOSE.
4. EXCAVATE ACROSS WATERBODY CHANNEL FOLLOWING WATER REROUTING.
5. DO NOT REFUEL OR STORE FUEL WITHIN 100 FEET OF THE WATERBODY. IF NOT FEASIBLE, ALTERNATIVE METHODS MUST BE APPROVED BY ENVIRONMENTAL INSPECTOR.
6. MONITOR PUMP(S) AT ALL TIMES DURING WATERBODY CROSSING PROCEDURE.
7. (P) USE SUFFICIENT PUMP(S), INCLUDING ONSITE BACKUP PUMP(S), TO MAINTAIN DOWNSTREAM FLOW.
8. SCREEN AND SUSPEND PUMP INTAKE AND USE AN ENERGY DISSIPATION DEVICE ON THE DISCHARGE HOSE TO PREVENT SCOURING WITHIN WATERBODY.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

CP EXPRESS

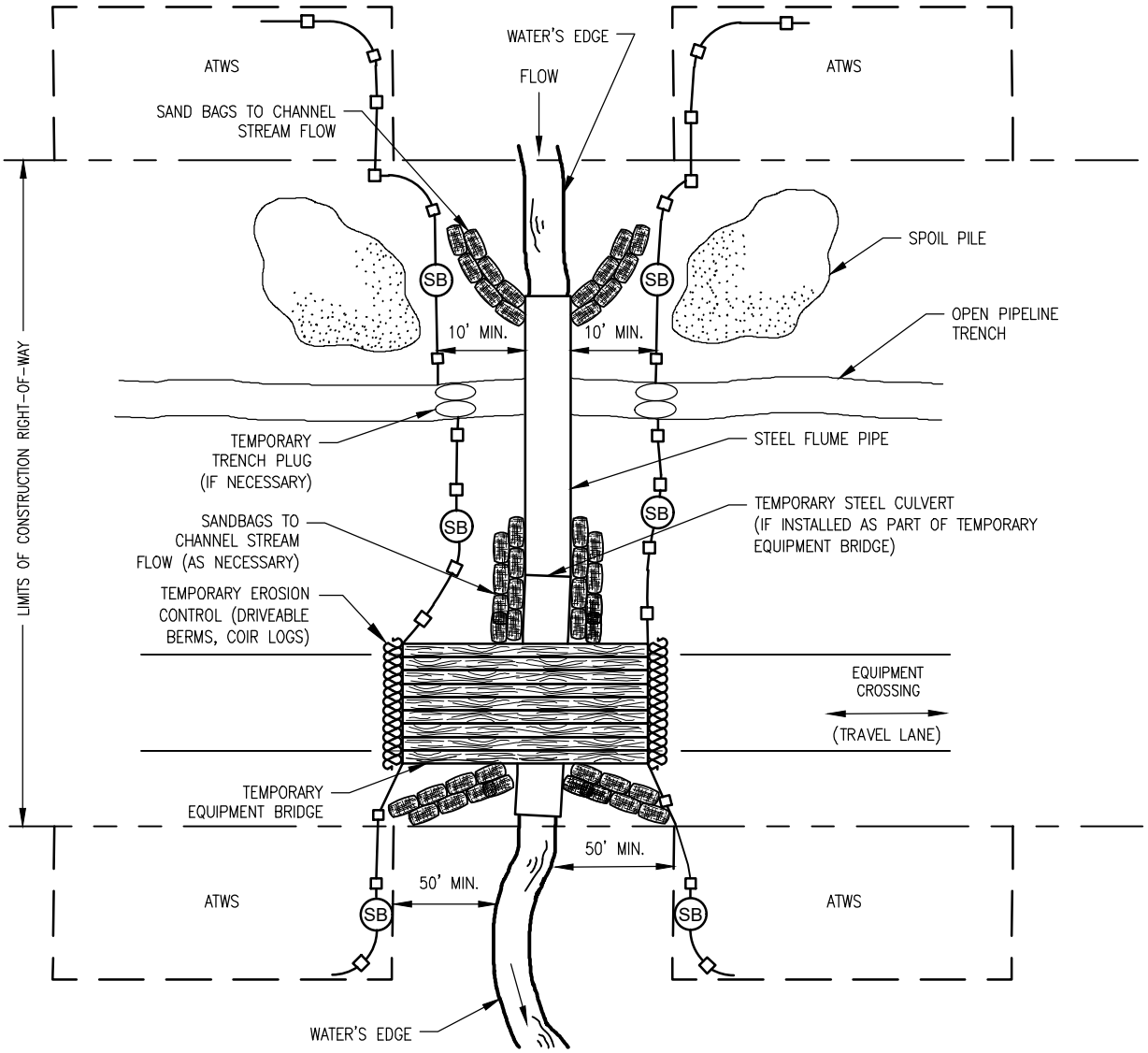
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL DAM-AND-PUMP
WATERBODY CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-017	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-017.dwg Plotted on: Sep 02, 2021 - 7:54am by cstovall

TYPICAL FLUME
WATERBODY CROSSING



NOTES:

1. (SB) TEMPORARY SEDIMENT BARRIER OF SILT FENCE AND/OR STRAW BALES, OR OTHER APPROPRIATE MATERIALS.
2. SANDBAGS MUST BE FILLED WITH SAND FREE OF ORGANICS AND OTHER MATERIAL.
3. ENSURE SANDBAGS ARE INSTALLED BEFORE PLACING FLUME PIPE.
4. ALIGN FLUME(S) TO PREVENT BANK EROSION AND STREAM SCOUR.
5. CONDUCT ALL IN-STREAM ACTIVITY (EXCEPT BLASTING OR OTHER ROCK BREAKING MEASURES) WITH THE FLUME(S) IN PLACE. FLUME PIPE(S) MAY NOT BE REMOVED FOR LOWERING IN PIPE OR INITIAL STREAMED OR RESTORATION EFFORTS.
6. THE ENDS OF THE FLUME AND CULVERT MUST EXTEND TO AN UNDISTURBED AREA.
7. CONTRACTOR TO DETERMINE ACTUAL NUMBER AND SIZE OF FLUMES AND CULVERTS REQUIRED BASED ON WATERBODY WIDTH AND WATERBODY FLOW RATE AT THE TIME OF CROSSING.
8. WATER ACCUMULATING WITHIN THE WORK AREA SHALL BE DEWATERED IN A MANNER THAT DOES NOT CAUSE EROSION AND DOES RESULT IN SILT-LADEN WATER FLOWING INTO ANY WATERBODY.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

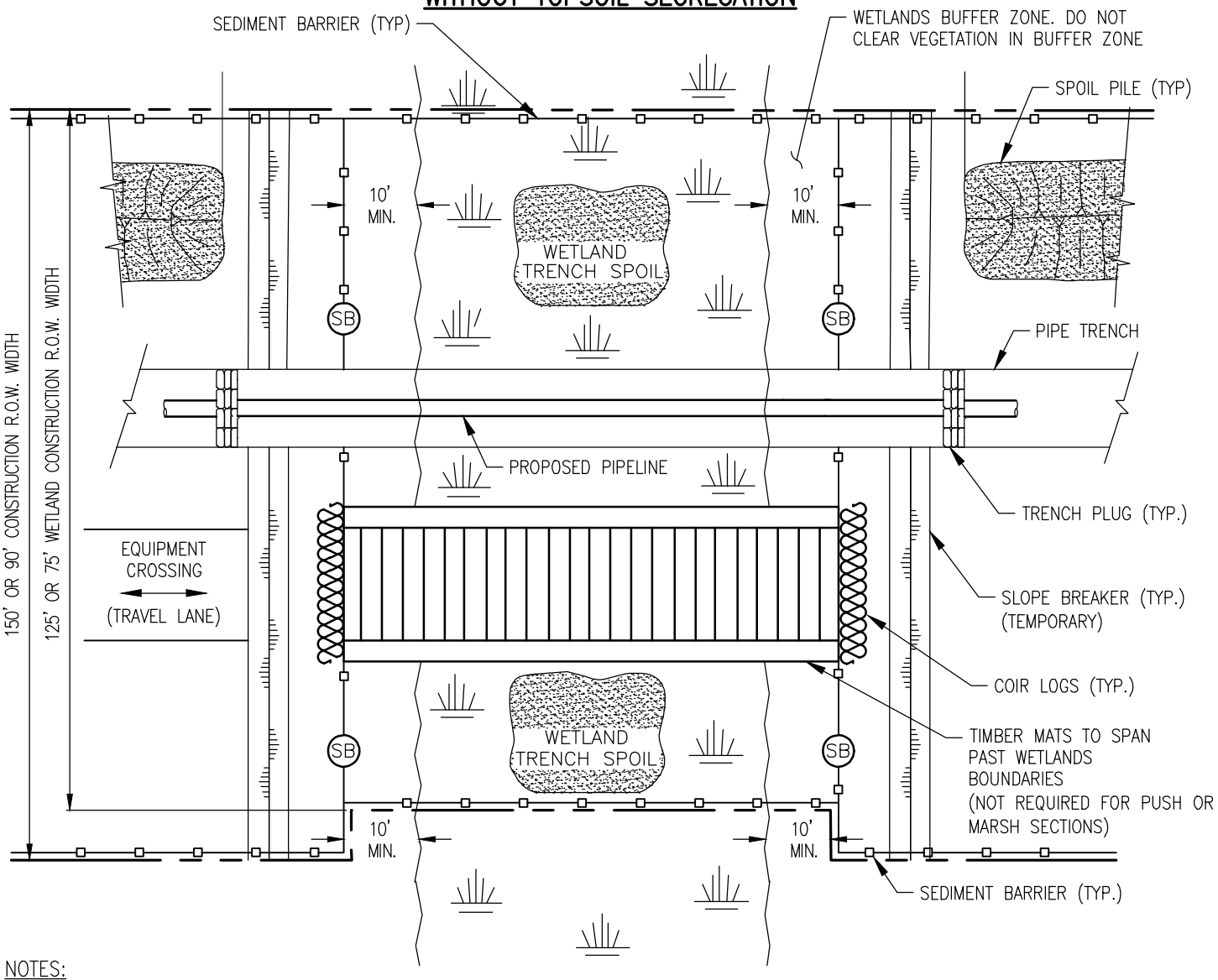
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL FLUME
WATERBODY CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-018	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-018.dwg Plotted on: Sep 02, 2021 - 7:54am by cstovall

TYPICAL SATURATED WETLAND WITHOUT TOPSOIL SEGREGATION



NOTES:

1. TOPSOIL SEGREGATION WILL NOT BE PERFORMED IF STANDING WATER OR SATURATED SOILS ARE PRESENT.
2. INSTALL TEMPORARY SLOPE BREAKERS AT THE BASE OF ALL SLOPES ADJACENT TO THE WETLAND.
3. INSTALL TRENCH PLUGS ON BOTH SIDES OF THE WETLAND TO PREVENT DIVERSION OF WATER INTO UPLAND PORTIONS OF THE PIPELINE TRENCH AND TO KEEP ANY ACCUMULATED TRENCH WATER OUT OF THE WETLAND.
4. USE ADDITIONAL TIMBER MAT LAYERS TO RAISE CROSSING ABOVE GRADE WHERE POOR SOIL CONDITIONS EXIST. (NOT REQUIRED FOR PUSH OR MARSH SECTIONS)
5. SEDIMENT BARRIERS AND SLOPE BREAKERS TO BE REMOVED ACROSS PIPE TRENCH AND DURING CONSTRUCTION OF PIPELINE. SEDIMENT BARRIERS AND SLOPE BREAKER TO BE REPLACED AFTER BACKFILL OF TRENCH. (NOT REQUIRED ACROSS DITCH LINE FOR PUSH OR MARSH SECTIONS)
6. MATERIALS PLACED IN WETLANDS SHALL BE COMPLETELY REMOVED DURING FINAL CLEAN UP.
7. HEAVY EQUIPMENT WORKING IN WETLANDS WILL BE PLACED ON MATS OR OTHER MEASURES WILL BE TAKEN TO MINIMIZE SOIL DISTURBANCE. (NOT REQUIRED FOR PUSH OR MARSH SECTIONS)

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

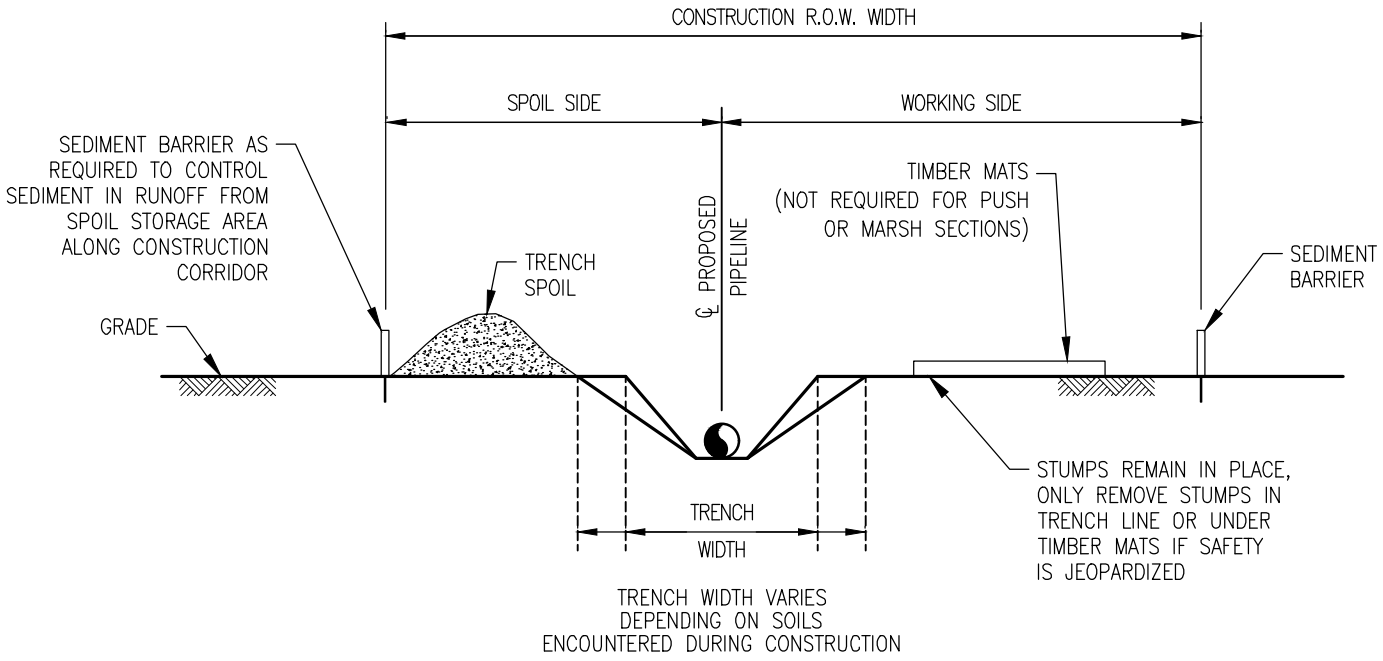
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINE
TYPICAL SATURATED WETLAND WITHOUT TOPSOIL SEGREGATION
LOUISIANA / TEXAS

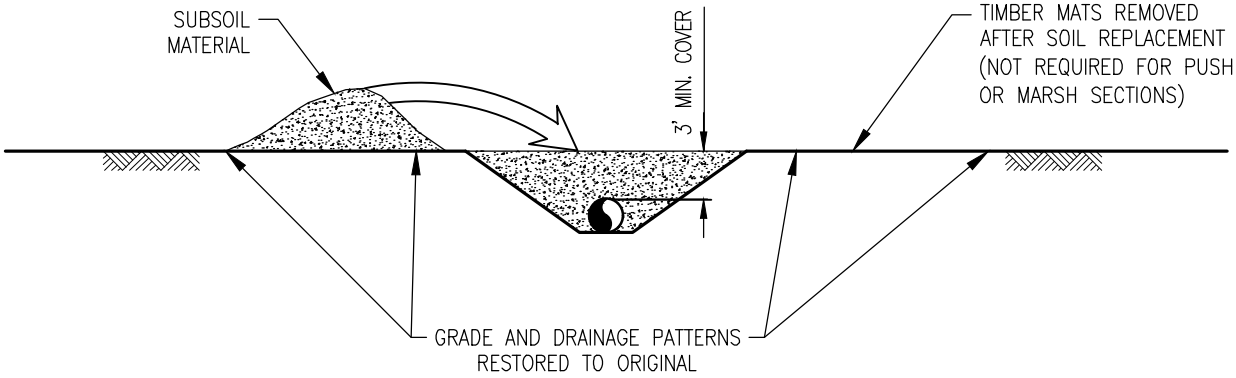
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-019	1 OF 2	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-019.dwg Plotted on: Sep 02, 2021 - 7:55am by cstovall

TYPICAL SATURATED WETLAND WITHOUT TOPSOIL SEGREGATION



CROSS SECTION



WETLAND RESTORATION

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

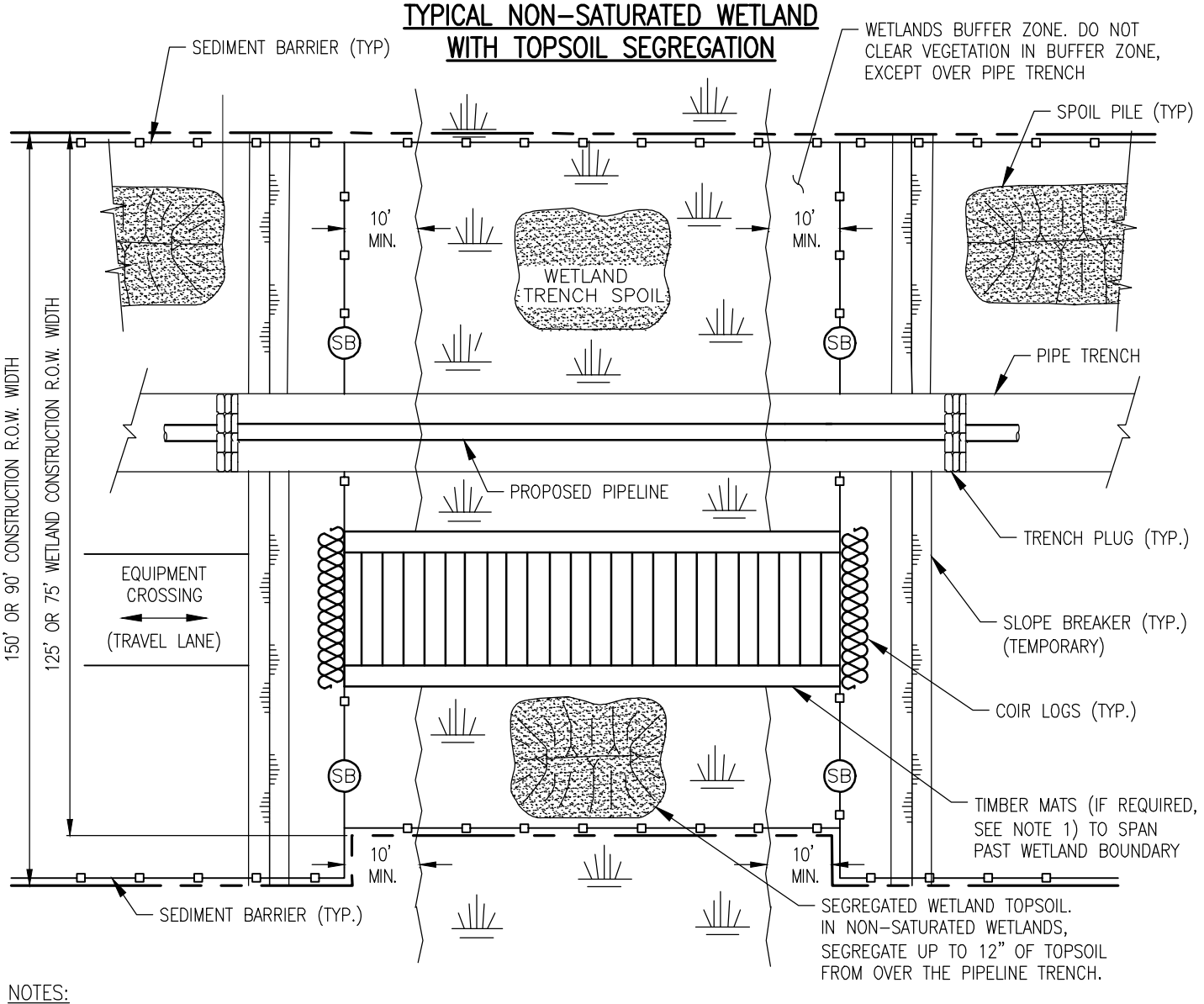
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL SATURATED WETLAND WITHOUT TOPSOIL SEGREGATION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-019	2 OF 2	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-019.dwg Plotted on: Sep 02, 2021 - 7:55am by cstovall

TYPICAL NON-SATURATED WETLAND WITH TOPSOIL SEGREGATION



NOTES:

1. THIS METHOD WILL BE USED IN WETLANDS WITHOUT STANDING WATER OR SATURATED SOILS. IF NORMAL CONSTRUCTION EQUIPMENT CAUSES RUTS OR MIXING OF TOPSOIL AND SUBSOIL, LOW-GROUND-PRESSURE EQUIPMENT WILL BE USED OR NORMAL EQUIPMENT WILL BE OPERATED ON TIMBER MATS.
2. INSTALL TEMPORARY SLOPE BREAKERS AT THE BASE OF ALL SLOPES ADJACENT TO THE WETLAND.
3. INSTALL TRENCH PLUGS ON BOTH SIDES OF THE WETLAND TO PREVENT DIVERSION OF WATER INTO UPLAND PORTIONS OF THE PIPELINE TRENCH AND TO KEEP ANY ACCUMULATED TRENCH WATER OUT OF THE WETLAND.
4. USE ADDITIONAL TIMBER MAT LAYERS TO RAISE CROSSING ABOVE GRADE WHERE POOR SOIL CONDITIONS EXIST. (NOT REQUIRED IN PUSH AND MARSH SECTIONS)
5. SEDIMENT BARRIERS AND SLOPE BREAKERS TO BE REMOVED ACROSS PIPE TRENCH AND DURING CONSTRUCTION OF PIPELINE. SEDIMENT BARRIERS AND SLOPE BREAKER TO BE REPLACED AFTER BACKFILL OF TRENCH.
6. MATERIALS PLACED IN WETLANDS SHALL BE COMPLETELY REMOVED DURING FINAL CLEAN UP.
7. HEAVY EQUIPMENT WORKING IN WETLANDS WILL BE PLACED ON MATS OR OTHER MEASURES WILL BE TAKEN TO MINIMIZE SOIL DISTURBANCE. (NOT REQUIRED IN PUSH AND MARSH SECTIONS)
8. IN WETLAND, THE TOP 6 TO 12 INCHES OF THE TRENCH SHALL BE BACKFILLED WITH TOPSOIL FROM THE TRENCH.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

CP EXPRESS

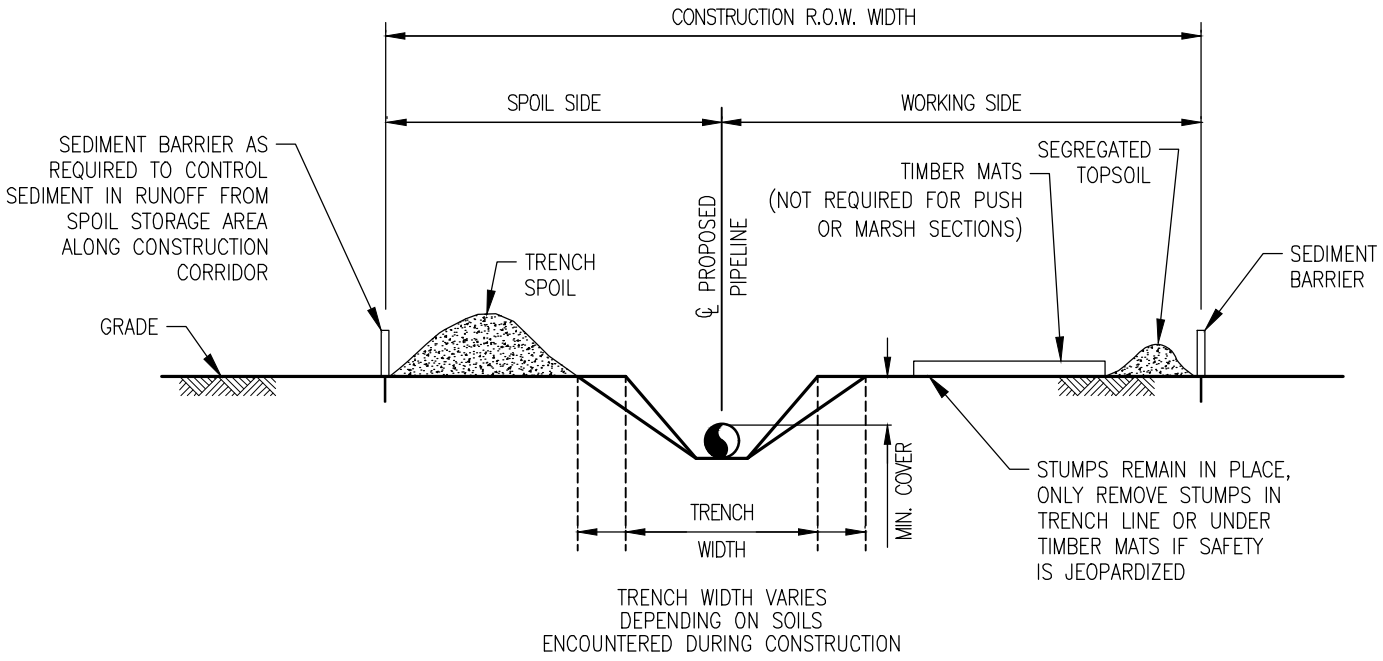
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL NON-SATURATED WETLAND WITH TOPSOIL SEGREGATION
LOUISIANA / TEXAS

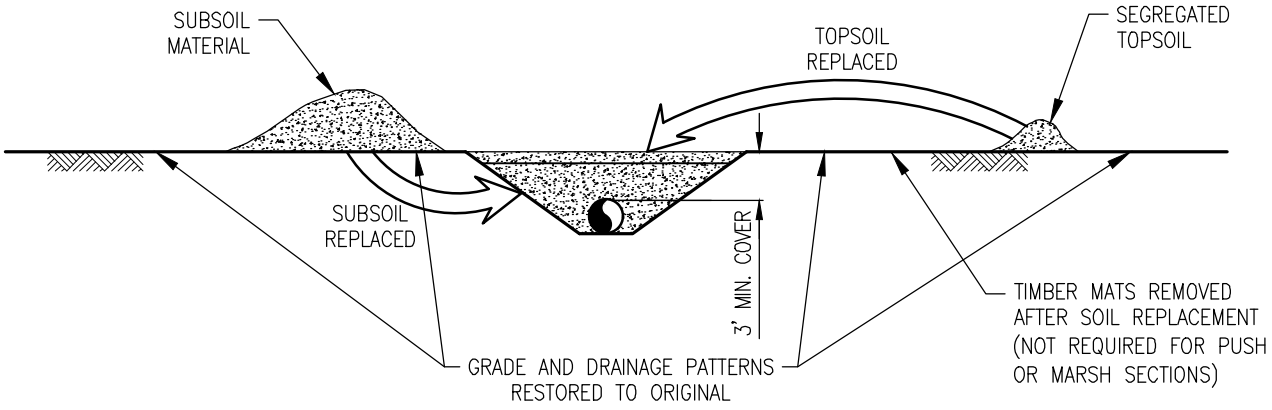
DWG. NO. 1901-100-PL-DWG-7007-020 | SHT. NO. 1 OF 2 | REV. C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-020.dwg Plotted on: Sep 02, 2021 - 7:59am by cstovall

TYPICAL NON-SATURATED WETLAND WITH TOPSOIL SEGREGATION



CROSS SECTION



WETLAND RESTORATION

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

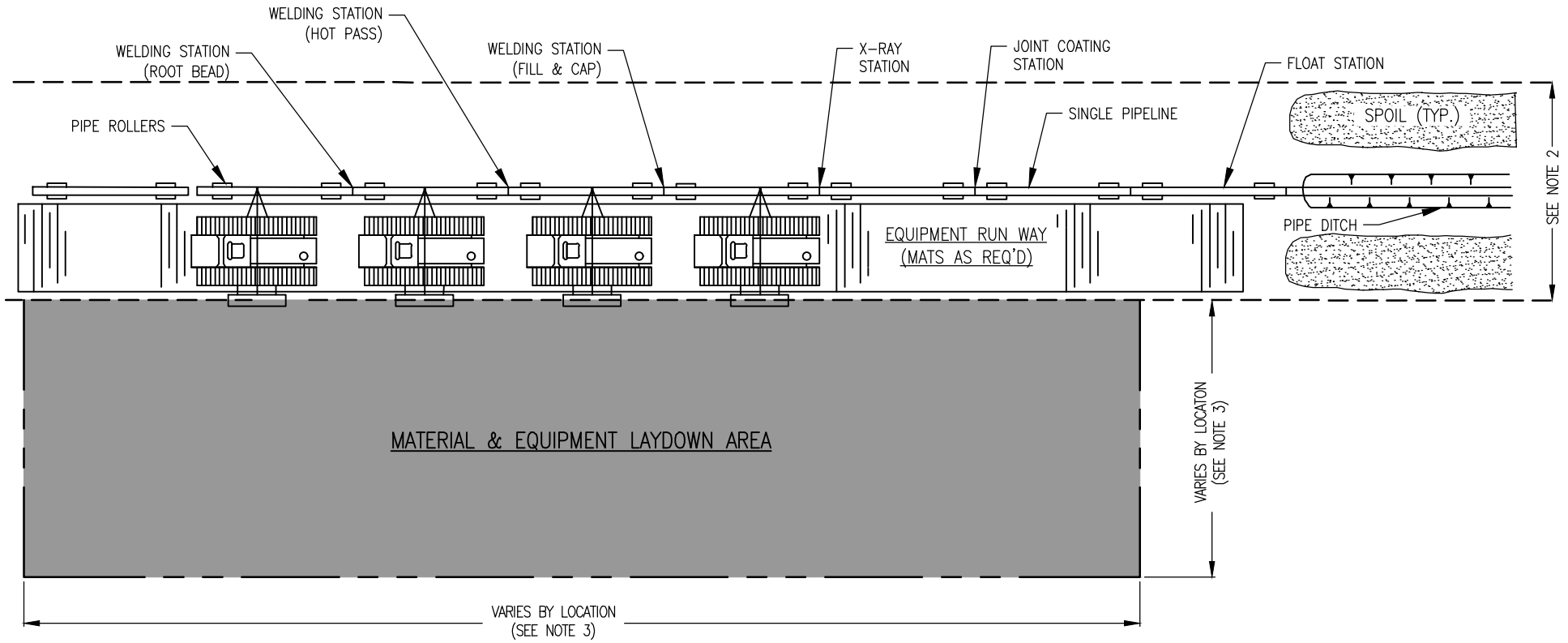
CP EXPRESS

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL NON-SATURATED WETLAND WITH TOPSOIL SEGREGATION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-020	2 OF 2	C

TYPICAL MARSH OR WETLAND PUSH



FOR NOTES, SEE SHT. 2 OF 2

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL
MARSH PUSH
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-021	1 OF 2	C

TYPICAL MARSH OR WETLAND PUSH

NOTES:

1. MINIMUM TRENCH DEPTH WILL BE 8 FEET.
2. CONSTRUCTION CORRIDOR DETAIL IS 150' WIDE FOR MARSH AND 125' WIDE FOR WETLANDS FOR 48" PIPELINE CONSTRUCTION.
3. SIZE AND SHAPE FOR THE PUSH STAGING AREAS VARY TO ACCOMMODATE ENVIRONMENTAL AND REGULATORY PERMIT CONDITIONS.
4. ▭ DEPICTS ADDITIONAL TEMPORARY WORK SPACE AREA TO BE MATTED AS REQUIRED.
5. CONTRACTOR SHALL UTILIZE THIS METHOD FOR WETLAND PIPELAY WHERE SUPPORT OF CONSTRUCTION EQUIPMENT ON MATS FOR EXCAVATION, STRINGING, WELDING, PIPELAY, BACKFILLING AND RESTORATION IS NOT FEASIBLE.
6. CONTRACTOR SHALL UTILIZE AMPHIBIOUS EXCAVATORS (PONTOON MOUNTED BACKHOES) OR BARGE MOUNTED EXCAVATORS TO EXCAVATE TRENCH.
7. CONTRACTOR SHALL INSTALL SEDIMENT BARRIERS AT THE WETLAND EDGE AND MAINTAIN THROUGHOUT CONSTRUCTION TO THE EXTENT POSSIBLE TO PREVENT SURFACE RUNOFF FROM THE UPLAND CONSTRUCTION AREA AND UPLAND SPOIL STORAGE AREAS FROM ENTERING THE WETLAND.
8. TOPSOIL SEPARATION WILL NOT BE REQUIRED IN SATURATED WETLANDS.
9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY AND CONTRACTOR SHALL REPAIR IF NECESSARY.
10. CONTRACTOR SHALL PLACE SIGNAGE 100 FEET BACK FROM WETLAND BOUNDARY AND ADVISE NO REFUELING OF MOBILE EQUIPMENT WITHIN 100 FEET OF WETLAND. REFUEL STATIONARY EQUIPMENT AS PER SPCC PLAN WITHOUT APPROVAL FROM ENVIRONMENTAL INSPECTOR.
11. CONTRACTOR SHALL RESTORE GRADE TO NEAR PRE-CONSTRUCTION TOPOGRAPHY AND INSTALL PERMANENT EROSION CONTROL, AS PRACTICAL.
12. WETLAND BOUNDARIES SHALL BE FLAGGED PRIOR TO CLEARING.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

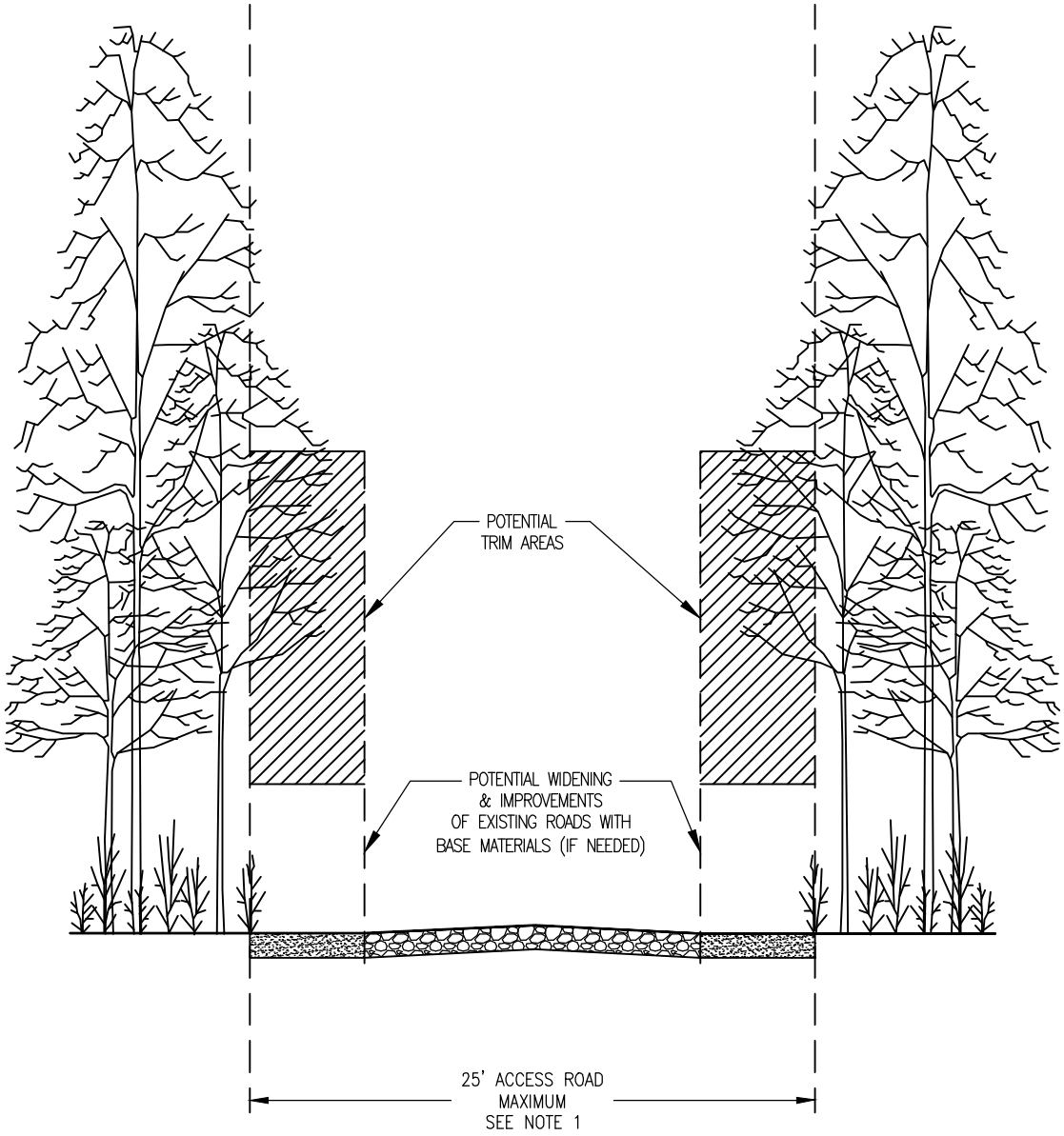
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL
MARSH PUSH
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-021	2 OF 2	C

TEMPORARY ACCESS ROAD
CROSS SECTION



NOTE:

1. WIDTH MAY VARY BASED ON THE TYPE OF EQUIPMENT THAT WILL ENTER THE SITE.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

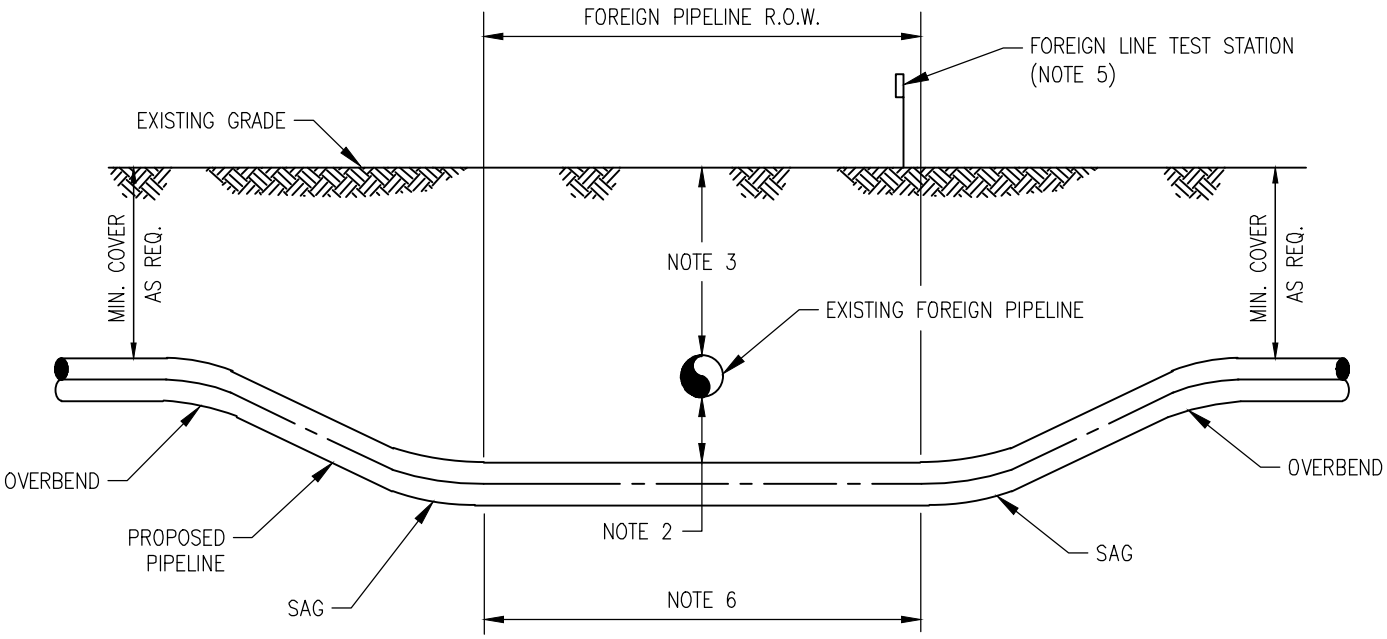
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TEMPORARY ACCESS ROAD
CROSS SECTION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-022	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-022.dwg Plotted on: Sep 02, 2021 - 8:00am by cstovall

TYPICAL FOREIGN PIPELINE CROSSING



CROSS SECTION OF FOREIGN PIPELINE R.O.W.

NOTES:

1. PROPOSED PIPELINE MAY CROSS ABOVE THE FOREIGN PIPELINE(S), WHERE APPROVED BY FOREIGN OWNER IN WRITING, UNLESS REQUIREMENTS FOR MINIMUM DEPTH OF COVER CANNOT BE ACHIEVED, OR THE OWNING AUTHORITY REQUIRES CROSSING UNDER THE EXISTING FOREIGN LINE.
2. A MINIMUM CLEARANCE OF 18" MUST BE MAINTAINED FROM ANY UNDERGROUND STRUCTURE NOT ASSOCIATED WITH THE PIPELINE OR PER THE CROSSING AGREEMENT.
3. FOREIGN PIPELINE LOCATIONS & DEPTHS TO BE DETERMINED BY ELECTRONIC MEANS IN ADVANCE OF PIPELINE CONSTRUCTION AND CONFIRMED BY CAREFULLY EXPOSING FACILITY BY NON-MECHANIZED EQUIPMENT WHEN WITHIN 24" IN ANY DIRECTION FROM THE FACILITY OR PER THE CROSSING AGREEMENT.
4. OWNER OF FOREIGN LINES SHALL BE NOTIFIED 48 HOURS IN ADVANCE OR PER THE CROSSING AGREEMENT OF EXCAVATION OF CROSSING.
5. TEST LEAD STATION TO BE INSTALLED WHERE PRACTICAL AT POINT OF CROSSING OR AT THE NEAREST FENCE, HEDGE ROW OR FIELD EDGE, AND WHERE READILY ACCESSIBLE OR PER THE CROSSING AGREEMENT.
6. CONTRACTOR SHALL NOTIFY THE 811 CALL BEFORE YOU DIG PROGRAM PRIOR TO DIGGING.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

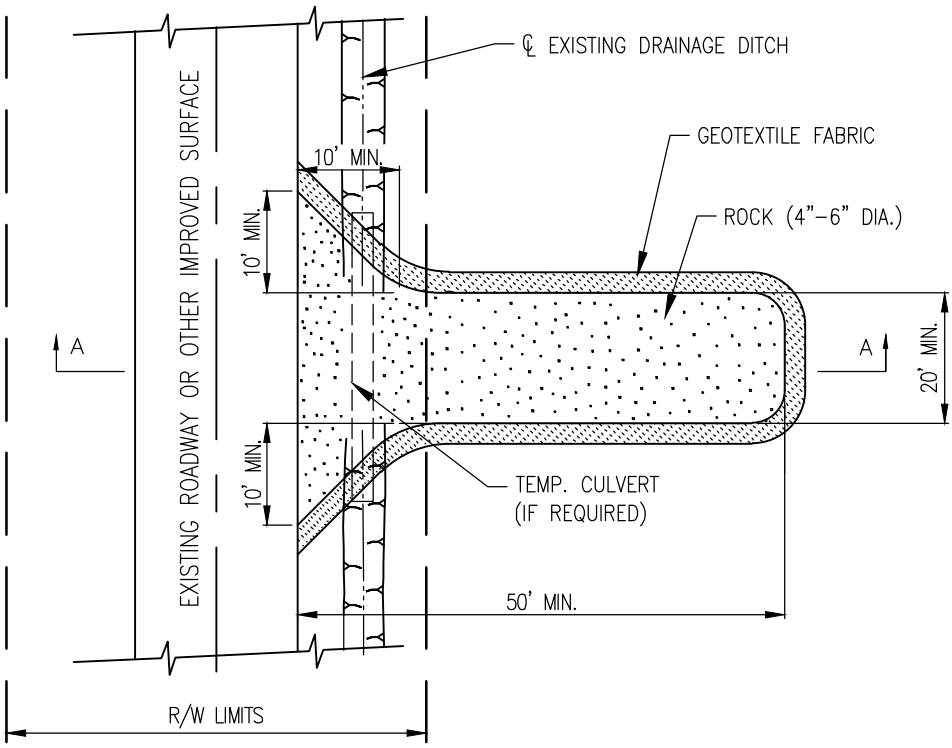
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

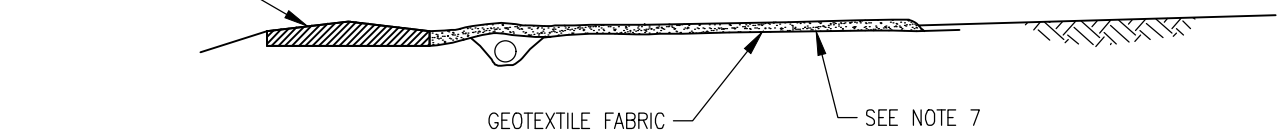
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
FOREIGN PIPELINE CROSSING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-023	1 OF 1	C

TYPICAL CONSTRUCTION ENTRANCE



PLAN
N.T.S.



SECTION 'A–A'
N.T.S.

NOTES:

1. CONSTRUCTION ENTRANCES AS ILLUSTRATED ARE TO BE INSTALLED ADJACENT TO EXISTING PUBLIC ROADS AT LOCATIONS IDENTIFIED ON THE CONSTRUCTION DRAWINGS OR AS DIRECTED BY THE COMPANY'S REPRESENTATIVE.
2. STABILIZED ENTRANCE SHALL BE INSTALLED WHERE EQUIPMENT ENTERS OR EXITS CONSTRUCTION SITES ONTO A PAVED ROADWAY OR OTHER IMPROVED SURFACE.
3. LOCATE ALL ROADWAY CROSSINGS AND ENTRANCES TO ENSURE SAFE AND ACCESSIBLE CONDITIONS THROUGHOUT THE CONSTRUCTION PHASE.
4. THE ENTRANCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION IN A CONDITION WHICH WILL MINIMIZE TRACKING OF SEDIMENT ONTO A PUBLIC ROADWAY.
5. SHOULD THE ROCK PAD BECOME INEFFECTIVE FOR REDUCING THE BUILDUP OF MUD AND DIRT AND MINIMIZE TRACKING ONTO THE PUBLIC ROAD. THE CONTRACTOR SHALL WASH THE EXISTING ROCKFILL SURFACE OR ADD A ROCK FILL LAYER TO THE ACCESS PAD.
6. ALL SEDIMENT TRACKED ONTO PAVEMENT SHALL BE REMOVED BY SWEEPING OR SCRAPING.
7. WHERE DRAINAGE DITCH EXISTS, CONTRACTOR SHALL PROVIDE AND INSTALL A CULVERT IN ORDER TO PREVENT IMPEDIMENT OF WATER FLOW.
8. THE CONSTRUCTION ENTRANCE SHALL BE REMOVED AND THE AREA RESTORED AS PART OF FINAL CLEANUP. REMOVAL IS NOT CONTINGENT UPON ESTABLISHMENT OF PERMANENT VEGETATION.
9. ALL DIMENSIONS AND SPECIFICS DETAILED IN THE PLAN VIEW ARE SUBJECT TO CHANGE TO MEET REQUIREMENTS OF DRIVEWAY PERMIT APPLICATION.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

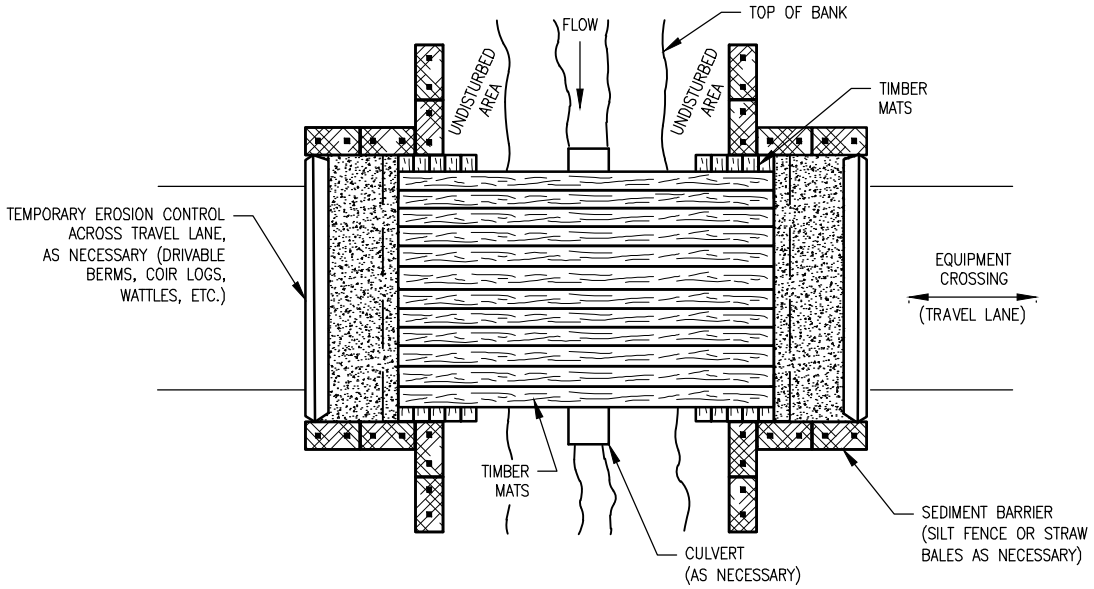
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL ROCK ACCESS PAD
INSTALLATION AND MAINTENANCE
LOUISIANA / TEXAS

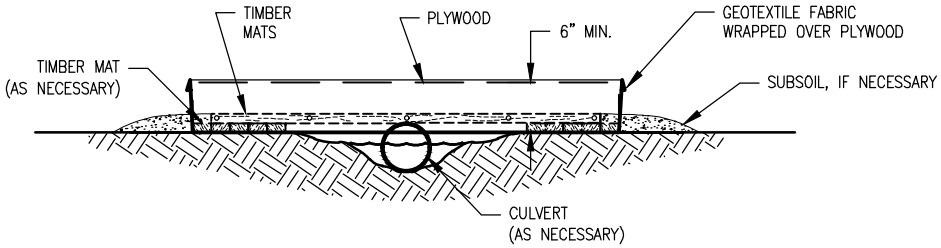
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-024	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-024.dwg Plotted on: Sep 02, 2021 - 8:00am by cstovall

TEMPORARY EQUIPMENT BRIDGE



PLAN VIEW



CROSS SECTION VIEW

NOTES:

1. TEMPORARY SEDIMENT BARRIER CONSISTS OF SILT FENCE AND/OR STRAW BALES, OR OTHER APPROPRIATE MATERIAL.
2. NUMBER AND DIAMETER OF CULVERTS, AS WELL AS USE OF CULVERTS, WILL DEPEND ON SITE-SPECIFIC CONDITIONS.
3. SUBSOIL MAY BE USED AS ILLUSTRATED, IF NECESSARY, WITHIN TRAVEL LANE AS RAMP.
4. CONSTRUCT AND MAINTAIN BRIDGE TO WITHSTAND THE HIGHEST EXPECTED FLOW WHILE BRIDGE IS IN USE AND PREVENT SOIL FROM ENTERING WATERBODY. DO NOT USE SOIL TO CONSTRUCT OR STABILIZE BRIDGE.
5. GEOTEXTILE FABRIC TO EXTEND THE LENGTH OF THE TIMBERMAT EQUIPMENT BRIDGE.
6. INSTALL PLYWOOD ON EACH SIDE OF TIMBERMAT EQUIPMENT BRIDGE TO EXTEND, AT A MINIMUM, 6" ABOVE TOP OF TIMBERMATS. GEOTEXTILE FABRIC TO CONTINUE UP AND AROUND PLYWOOD.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

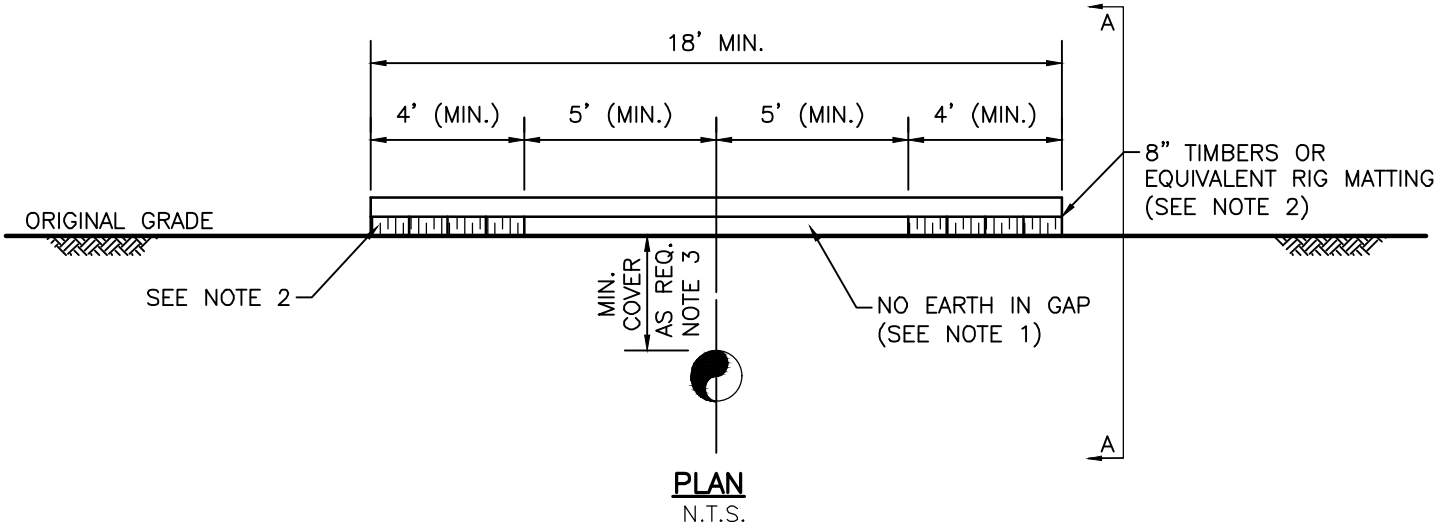
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TEMPORARY EQUIPMENT BRIDGE
(EQUIPMENT PADS AND CULVERTS)
LOUISIANA / TEXAS

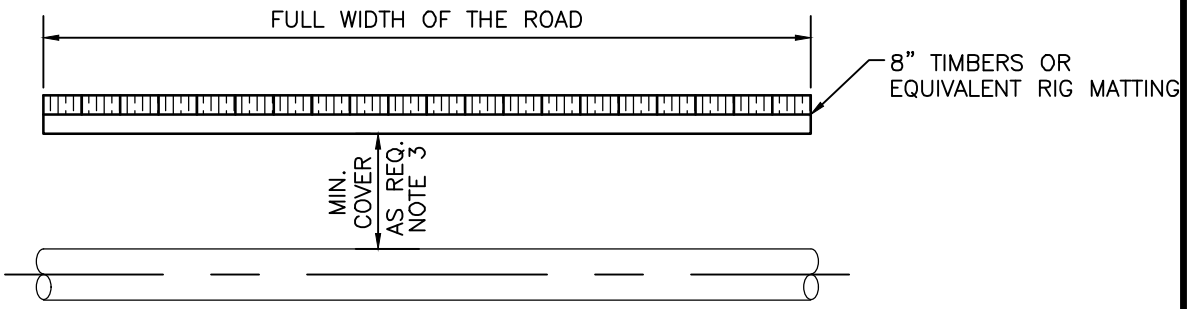
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-025	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-025.dwg Plotted on: Sep 02, 2021 - 8:01am by cstovall

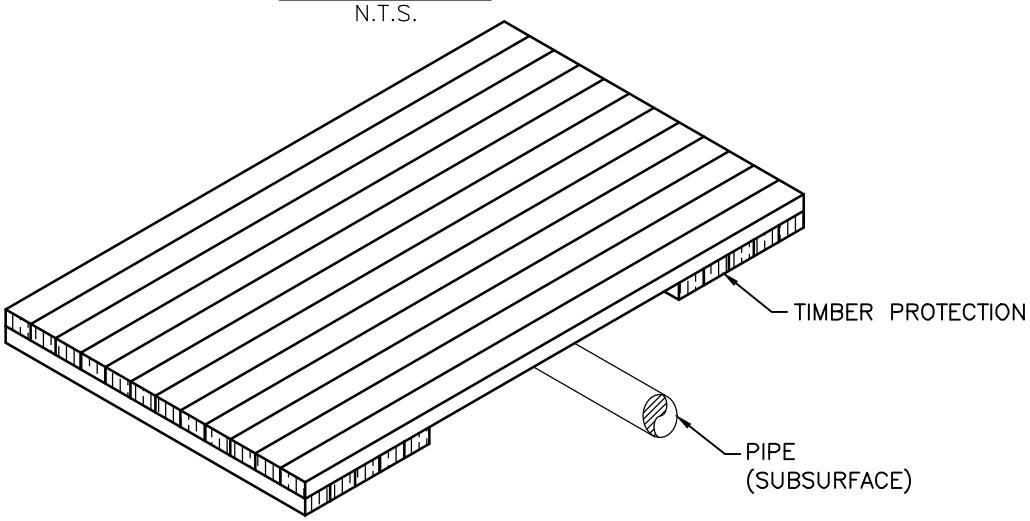
TYPICAL TEMPORARY TIMBERMAT AIR BRIDGE



PLAN
N.T.S.



SECTION 'A–A'
N.T.S.



NOTES

1. ENSURE THAT MINIMUM 10' WIDE x 6" HIGH GAP IS MAINTAINED BETWEEN THE BASE OF THE TIMBER AND THE GRADE DIRECTLY OVER THE CENTERLINE OF THE PIPE.
2. TIMBER TO BE PLACED AT EACH END OF BRIDGE TO SLOPE EQUIPMENT FOR ACCESS.
3. AS REQUIRED AND DICTATED PER THE CROSSING AGREEMENT.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

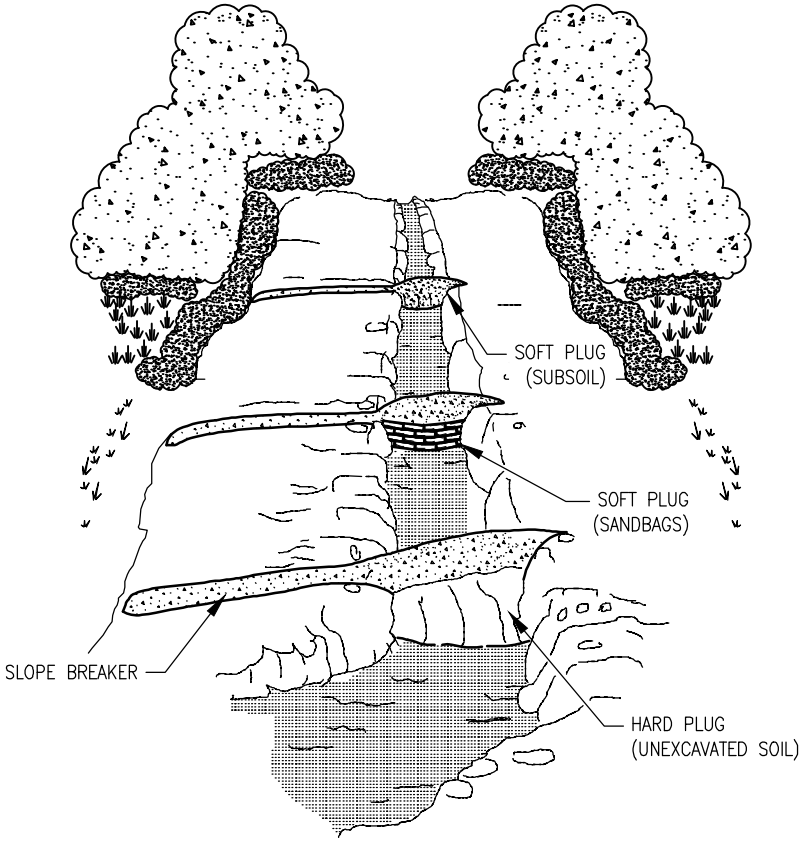
CP EXPRESS

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL TEMPORARY
TIMBERMAT AIR BRIDGE
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-026	1 OF 1	C

TEMPORARY TRENCH PLUG OPTIONS



NOTES:

1. TEMPORARY TRENCH PLUG MATERIALS MAY CONSIST OF UNEXCAVATED PORTIONS OF THE TRENCH (HARD PLUG), COMPACTED SUBSOIL OR SANDBAGS PLACED ACROSS THE DITCH (SOFT PLUG), OR SOME FUNCTIONAL EQUIVALENT. THESE OPTIONS ARE DEPICTED ABOVE. DO NOT USE TOPSOIL FOR TRENCH PLUGS.

2. POSITION TEMPORARY TRENCH PLUGS, AS NECESSARY, TO REDUCE TRENCHLINE EROSION AND MINIMIZE THE VOLUME AND VELOCITY OF TRENCH WATER FLOW AT THE BASE OF SLOPES.

3. TEMPORARY TRENCH PLUGS MAY BE USED IN CONJUNCTION WITH SLOPE BREAKERS TO DIVERT TRENCH WATER OVERFLOW AND PREVENT OVERFLOW INTO SENSITIVE RESOURCE AREAS.

4. DIVERT TRENCH OVERFLOW TO A WELL-VEGETATED OFF-R.O.W. LOCATION OR INSTALL APPROPRIATE ENERGY DISSIPATING DEVICE.

5. USE TEMPORARY TRENCH PLUGS AT WATERBODY CROSSINGS, AS NECESSARY.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

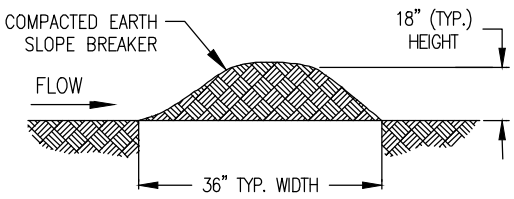
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

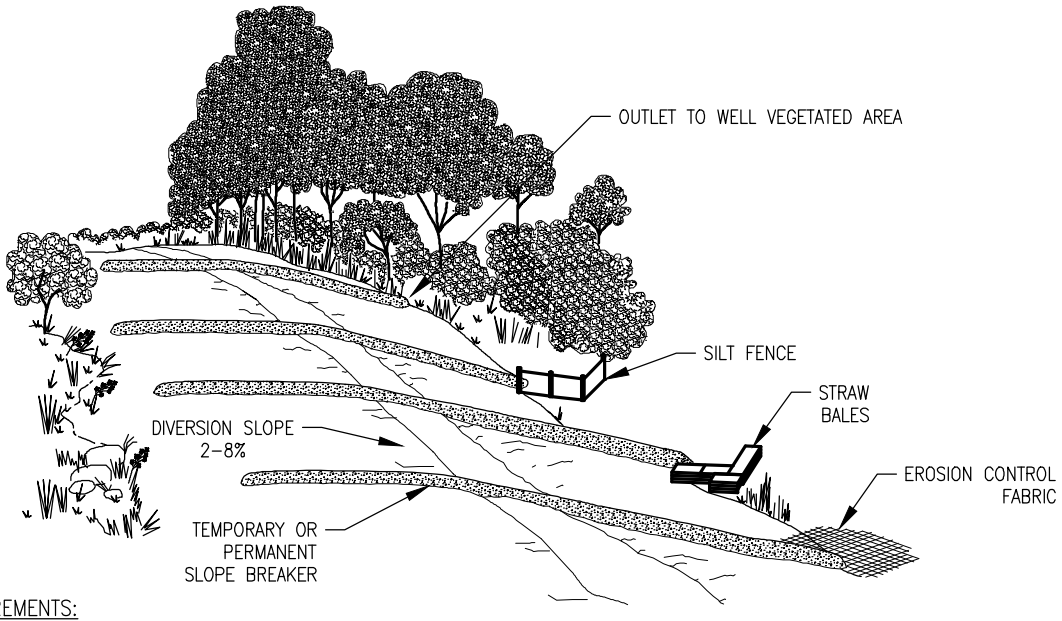
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TEMPORARY
TRENCH PLUG OPTIONS
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-027	1 OF 1	C

SLOPE BREAKER
TYPICAL



CROSS-SECTION



INSTALLATION REQUIREMENTS:

- INSTALL SLOPE BREAKERS IN ALL DISTURBED AREAS AS NECESSARY TO AVOID EXCESSIVE EROSION AT THE LOCATIONS SHOWN ON THE CONSTRUCTION DRAWINGS OR AS APPROVED BY THE ENVIRONMENTAL INSPECTOR.
- MUST BE INSTALLED ON SLOPES GREATER THAN 5% WHERE THE BASE OF THE SLOPE IS LESS THAN 50 FEET FROM A WATERBODY, WETLAND OR ROAD CROSSING AT THE FOLLOWING MINIMUM SPACING:

SLOPE (%)	SPACING (FT.)
5 – 15	300
> 15 – 30	200
> 30	100

- DIFFUSE AREA TO BE CONSTRUCTED USING SAND BAGS, STAKED STRAW BALES, SILT FENCE, OR SOIL.
- INSTALL WITH A 2-8% OUTFALL ANGLE.
- POSITION OUTFALL TO PREVENT SEDIMENT DISCHARGE INTO WETLANDS, WATERBODIES, OR OTHER SENSITIVE RESOURCES.
- FILTER RUN-OFF WATER BY CONSTRUCTING THE OUTLET IN A WELL VEGETATED STABLE AREA, OR BY USING AN ENERGY DISSIPATING DEVICE (SILT FENCE, STRAW BALES, EROSION CONTROL FABRIC). IF NEEDED, THE TYPE OF ENERGY DISSIPATION DEVICE WILL DEPEND ON SITE CONDITIONS (OPTIONS ARE DEPICTED ABOVE).

MAINTENANCE REQUIREMENTS:

- INSPECT DURING CONSTRUCTION AND MAKE REPAIRS AS NEEDED.
- KEEP THE CHANNEL FREE OF DEBRIS AND OBSTRUCTIONS.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

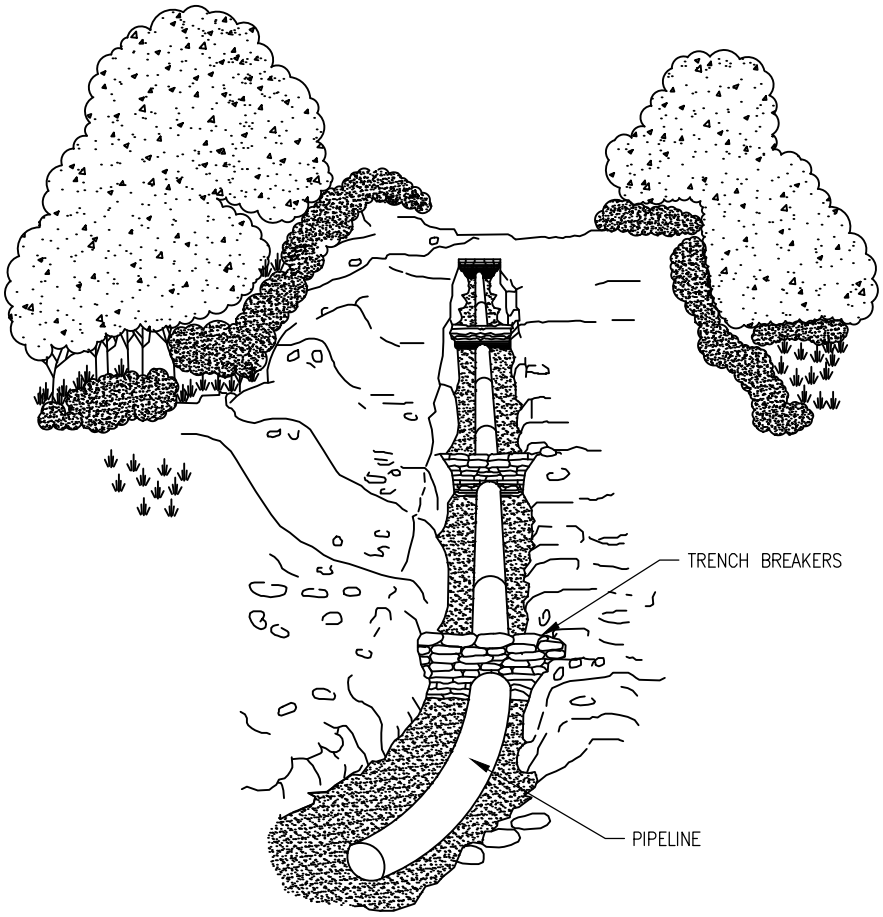
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
SLOPE BREAKER
TYPICAL
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-028	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-028.dwg Plotted on: Sep 02, 2021 - 8:01am by cstovall

TYPICAL SANDBAG OR FOAM TRENCH BREAKERS PIPELINE INSTALLATION



NOTES:

1. TRENCH BREAKERS SHALL BE INSTALLED ON SLOPES GREATER THAN 5 PERCENT WHERE THE BASE OF THE SLOPE IS LESS THAN 50 FT FROM WATERBODY AND WETLAND CROSSINGS AT THE FOLLOWING SPACING (CLOSER SPACING CAN BE USED AS REQUIRED BY COMPANY REPRESENTATIVE):

Slope (%)	SPACING (feet)
5–15	300
>15–30	200
>30	100

2. BREAKER SPACING AND CONFIGURATION MAY BE CHANGED BASED ON DIRECTION BY COMPANY. DEPTH OF DITCH MAY VARY WITH SITE CONDITIONS.
3. ALL MATERIALS SHALL BE SUPPLIED BY CONTRACTOR.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

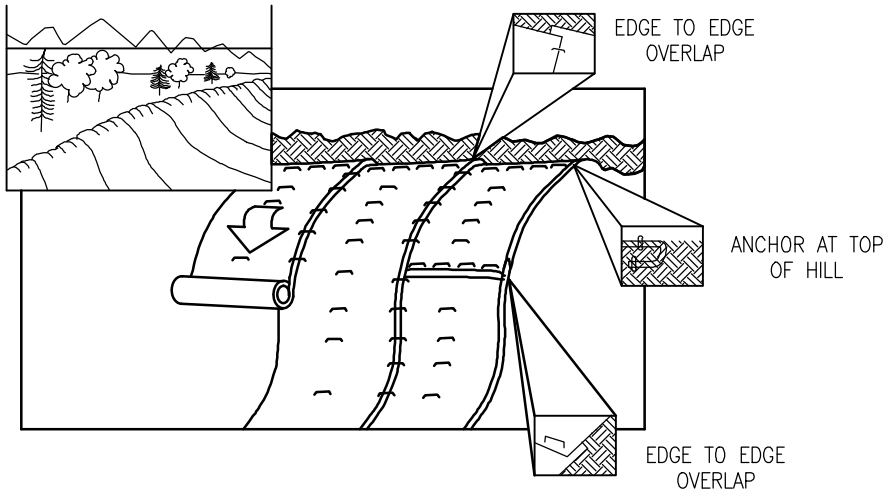
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL SANDBAG OR FOAM TRENCH BREAKERS PIPELINE INSTALLATION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-029	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-029.dwg Plotted on: Sep 02, 2021 - 8:02am by cstovall

TYPICAL EROSION CONTROL BLANKETS ON SLOPES



NOTES:

1. EROSION CONTROL BLANKETS (FABRIC) SHALL BE USED AT LOCATIONS IDENTIFIED IN THE E&S PLAN AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

2. EROSION CONTROL BLANKETS SHALL MEET THE REQUIREMENTS SPECIFIED IN THE E&S PLAN AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

3. STAPLES SHALL BE MADE OF WOODEN, U–SHAPED WITH 6" LEGS AND A 1" CROWN. STAPLES SHALL BE DRIVEN INTO THE GROUND FOR THE FULL LENGTH OF THE STAPLE LEGS.

4. BLANKETS SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS STATED BELOW:

   - EXTEND TOP OF BLANKET 3 FEET PAST THE UPPER EDGE OF THE SLOPE.
   - ANCHOR ("KEY") THE UPPER EDGE OF THE BLANKET INTO THE SLOPE USING A 6" DEEP TRENCH AND ROLL THE BLANKET DOWN THE HILL. DOUBLE STAPLE EVERY 12" BEFORE BACKFILLING AND COMPACTING TRENCH.
   - INSTALL LOOSELY ON SLOPE AND AVOID STRETCHING EROSION CONTROL BLANKETS DURING INSTALLATION.
   - BRING ROLL BACK OVER THE TOP OF THE TRENCH AND CONTINUE TO ROLL DOWN SLOPE. STAPLE EVERY 12" WHERE BLANKETS EXIT THE TRENCH AT THE TOP OF THE SLOPE.
   - WHEN BLANKETS ARE SPLICED DOWN–SLOPE TO ADJOINING BLANKETS (SLOPE OR STREAMBANK MATS), THE UPPER BLANKET SHALL BE PLACED OVER THE LOWER (SHINGLE STYLE) WITH APPROXIMATELY 6" OF OVERLAP. STAPLE THROUGH THE OVERLAPPED AREA EVERY 12".
   - OVERLAP ADJACENT BLANKETS 6". STAPLE EDGES OF BLANKETS AND CENTER EVERY 36".

5. IN LIVESTOCK AREAS WHERE EROSION CONTROL BLANKETS ARE APPLIED TO THE SLOPES, FENCING WILL BE USED IF NECESSARY TO EXCLUDE LIVESTOCK, WITH PERMISSION OF THE LANDOWNER.

6. MONITOR WASHOUTS, STAPLE INTEGRITY OR BLANKET MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

7. DO NOT USE SYNTHETIC MONOFILAMENT MESH/NETTED MATERIALS IN AREAS DESIGNATED AS SENSITIVE WILDLIFE HABITAT, UNLESS THE PRODUCT IS SPECIFICALLY DESIGNED TO MINIMIZE HARM TO WILDLIFE.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

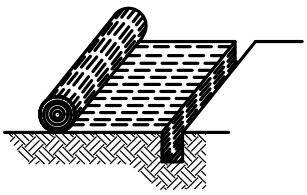
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL EROSION CONTROL BLANKETS ON SLOPES
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-030	1 OF 1	C

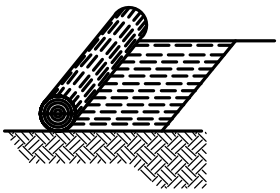
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-030.dwg Plotted on: Sep 02, 2021 - 8:10am by cstovall

EROSION CONTROL
FABRIC INSTALLATION

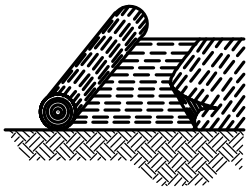
A. BURY THE TOP END OF THE ROLL IN A 6" TRENCH. (TYPICAL)



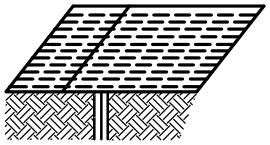
B. DOUBLE STAPLE EVERY 12" BEFORE BACKFILLING AND COMPACTING.

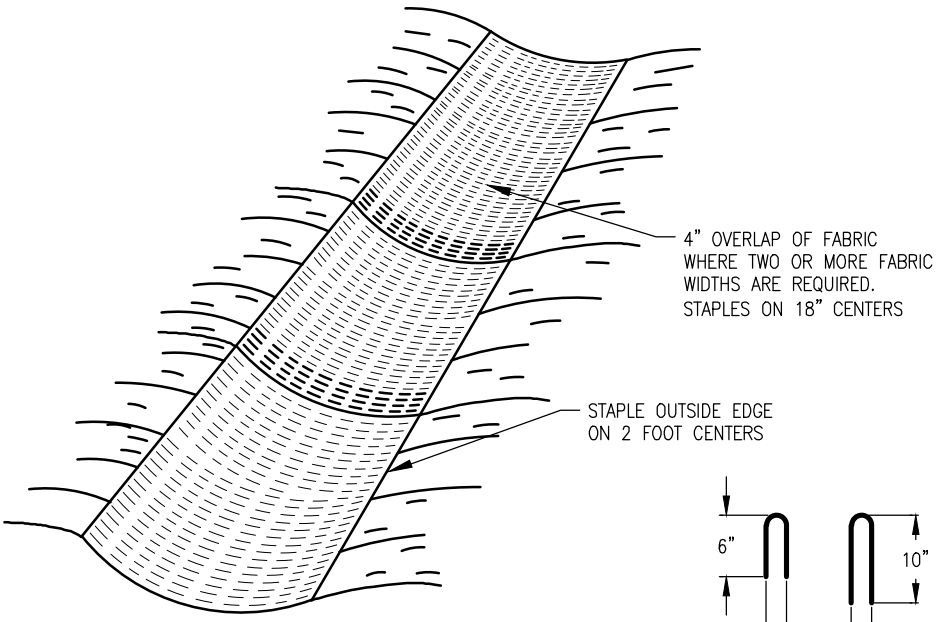


C. BURY AND TAMP UPPER END OF LOWER STRIP AS IN "A" AND "B". OVERLAP END OF TOP STRIP 4" AND STAPLE.



D. WHERE FABRIC STOPS, FOLD, BURY, AND TAMP ROLL IN SLIT TRENCH. PROVIDE DOUBLE ROW OF STAPLES.





TYPICAL STAPLES
WOODEN

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

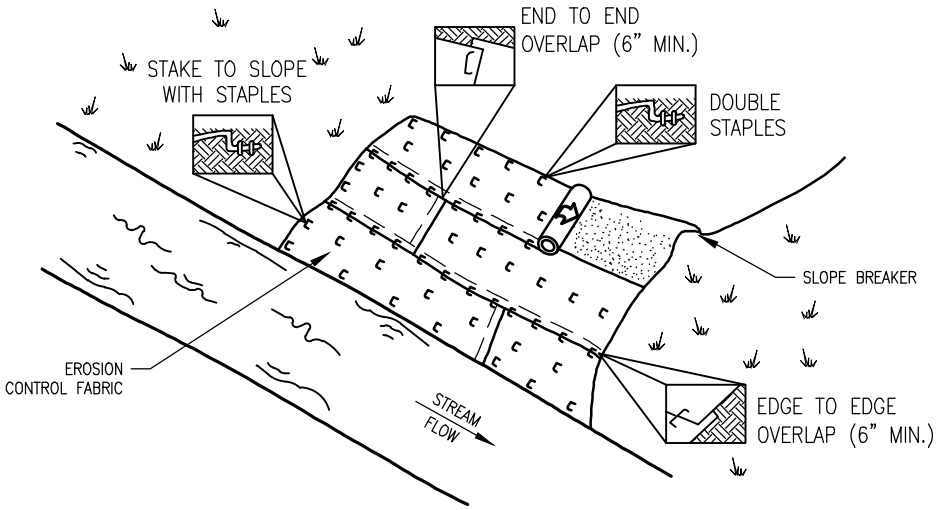
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
EROSION CONTROL
FABRIC INSTALLATION
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-031	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-031.dwg Plotted on: Sep 02, 2021 - 8:13am by cstovall

EROSION CONTROL BLANKETS ON STREAMBANKS



NOTES:

1. EROSION CONTROL BLANKETS (FABRIC) SHALL BE PLACED ON THE BANKS OF FLOWING STREAMS WHERE VEGETATION HAS BEEN REMOVED OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

2. EROSION CONTROL BLANKETS SHALL MEET THE REQUIREMENTS SPECIFIED IN THE E&S PLAN AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

3. STAPLES SHALL BE WOODEN, U-SHAPED WITH 6" LEGS AND A 1" CROWN. STAPLES SHALL BE DRIVEN INTO THE GROUND FOR THE FULL LENGTH OF THE STAPLE LEGS. ALTERNATELY 1" WOODEN PEGS 6" LONG AND BEVELED TO SECURE MATTING.

4. BLANKETS SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS STATED BELOW:

   - EXTEND TOP OF BLANKET 2 FEET PAST THE UPPER EDGE OF THE HIGH WATER MARK. IF A SLOPE BREAKER IS PRESENT ON THE APPROACH SLOPE, BEGIN THE BLANKET ON THE UPHILL SIDE OF THE SLOPE BREAKER.
   - INSTALL BLANKET(S) ACROSS THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
   - ANCHOR ("KEY") THE UPSTREAM EDGE OF THE BLANKET(S) INTO THE SLOPE USING A 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACKFILLING AND COMPACTING TRENCH.
   - OVERLAP THE EDGES OF PARALLEL BLANKETS A MINIMUM OF 6". PLACE THE UPPER BLANKET OVER THE LOWER BLANKET (SHINGLE STYLE) AND STAPLE EVERY 12" ALONG THE LENGTH OF THE EDGE.
   - WHEN BLANKET ENDS ARE ADJOINED, PLACE THE UPSTREAM BLANKET OVER THE DOWNSTREAM BLANKET (SHINGLE STYLE) WITH APPROXIMATELY 6" OF OVERLAP AND STAPLE THROUGH THE OVERLAPPED AREA EVERY 12".
   - STAPLE DOWN THE CENTER OF THE BLANKET(S), THREE STAPLES IN EVERY SQUARE YARD.

5. IN LIVESTOCK AREAS WHERE EROSION CONTROL BLANKETS ARE APPLIED TO THE STREAMBANKS, FENCING MAY BE USED IF NECESSARY TO EXCLUDE LIVESTOCK, WITH PERMISSION OF THE LANDOWNER.

6. MONITOR WASHOUTS, STAPLE INTEGRITY OR BLANKET MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

7. DO NOT USE SYNTHETIC MONOFILAMENT MESH/NETTED MATERIALS IN AREAS DESIGNATED AS SENSITIVE WILDLIFE HABITAT, UNLESS THE PRODUCT IS SPECIFICALLY DESIGNED TO MINIMIZE HARM TO WILDLIFE.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

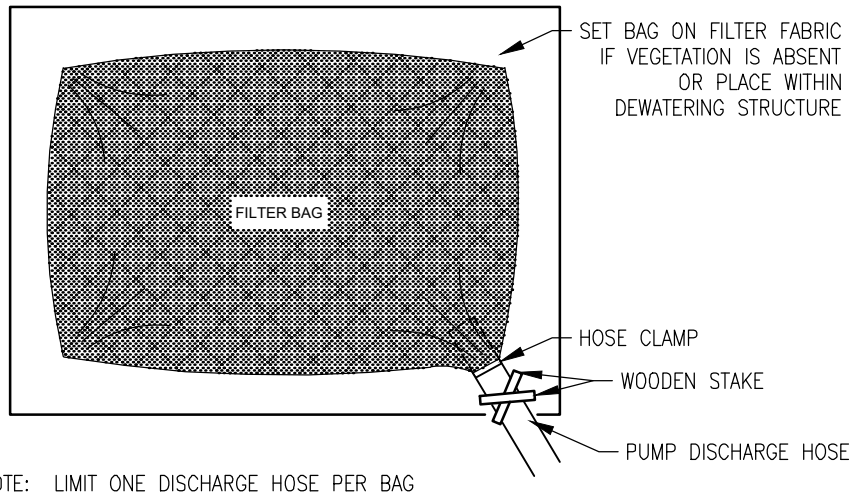
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
EROSION CONTROL BLANKETS
ON STREAMBANKS
LOUISIANA / TEXAS

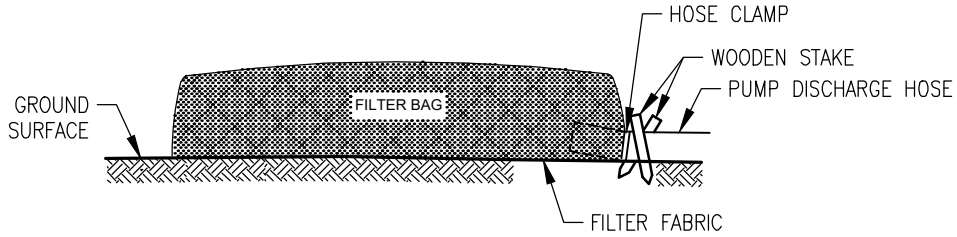
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-032	1 OF 1	C

FILTER BAG



NOTE: LIMIT ONE DISCHARGE HOSE PER BAG

PLAN VIEW



CROSS-SECTION

NOTES:

1. THE FILTER BAG OR STRUCTURE MUST BE MANNED WHEN THE PUMPING IS INITIATED TO ENSURE PROPER OPERATION AND FUNCTIONALITY.
2. REMOVE DEWATERING STRUCTURE AS SOON AS PRACTICABLE AFTER COMPLETION OF DEWATERING ACTIVITIES.
3. PLACEMENT OF FILTER BAGS SHOULD BE IN A MANNER THAT BAG USE DOES NOT CAUSE EROSION. IF SITE CONDITIONS ALLOW, PLACE FILTER BAG IN WELL-VEGETATED AREA, A MINIMUM OF 50 FEET FROM WETLANDS OR WATERBODIES.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

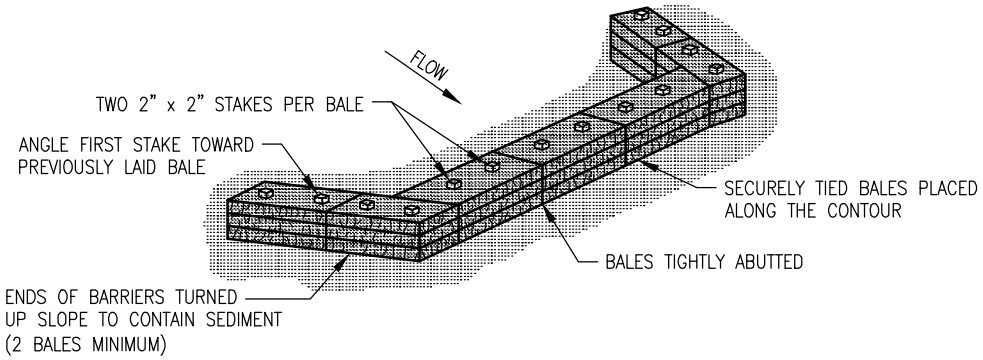
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
FILTER BAG

LOUISIANA / TEXAS

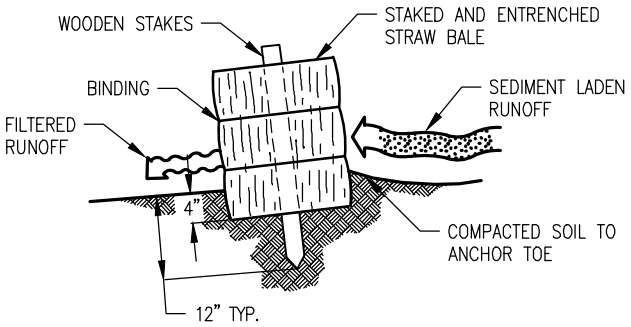
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-033	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-033.dwg Plotted on: Sep 02, 2021 - 8:13am by cstovall

STRAW BALE INSTALLATION AND MAINTENANCE DETAIL



PLAN VIEW



CROSS SECTION

INSTALLATION REQUIREMENTS:

- WHEN USING STRAW BALES, PLACE THEM:
  1. WITH THEIR ENDS TIGHTLY ABUTTING AND EMBEDDED IN THE SOIL A TYPICAL OF 4".
  2. BETWEEN DISTURBED AREAS AND DOWN-SLOPE OF ENVIRONMENTAL RESOURCE AREAS.
  3. AT THE BASE OF ALL SLOPES NEXT TO WETLANDS, WATERBODIES, AND ROAD CROSSINGS.
  4. AT THE INLET AND OUTLET OF OPEN DRAINAGE STRUCTURES.
  5. APPROXIMATELY 6 FEET BEYOND THE TOE OF THE SLOPE TO GIVE THE SEDIMENT ROOM TO COLLECT (IF POSSIBLE).

- KEY IN THE BOTTOM OF THE BALE. IN AREAS WHERE IT IS NOT FEASIBLE TO TRENCH IT IN (LEDGES, ROCKY SOIL, LARGE TREE ROOTS, ETC.), USE NATIVE SOIL AS BACKFILL UP-SLOPE OF THE BALE OR PLACE ONE ROW OF SAND BAGS.

- DO NOT STAKE OR TRENCH IN PLACE STRAW BALES USED ON EQUIPMENT BRIDGES OR ON MATS ACROSS THE TRAVEL LANE.

- IF USED IN CONJUNCTION WITH SILT FENCE, BALES ARE PLACED UPSLOPE OF THE SILT FENCE AND DO NOT NEED TO BE TRENCHED IN.

MAINTENANCE REQUIREMENTS:

- INSPECT BALES:
  1. DAILY IN AREAS OF ACTIVE CONSTRUCTION.
  2. WEEKLY IN AREAS WITH NO CONSTRUCTION.
  3. WITHIN 24 HOURS FOLLOWING EACH MAJOR STORM EVENT, ≥ 0.5 INCH.

- REPAIR OR REPLACE BALES AS NEEDED.

- REMOVE ACCUMULATED SEDIMENTS TO AN UPLAND AREA AS NEEDED.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

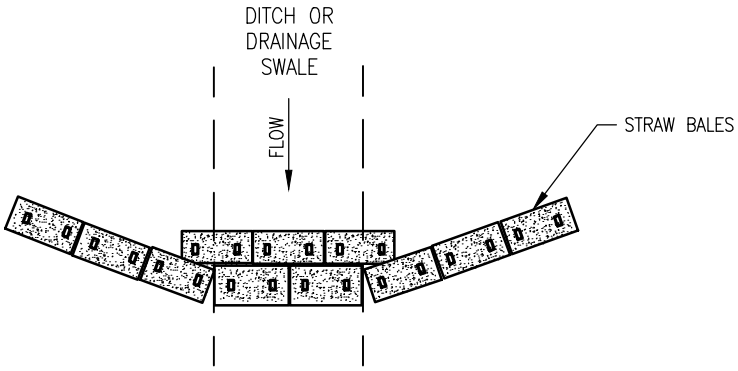
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
STRAW BALE INSTALLATION AND MAINTENANCE DETAIL
LOUISIANA / TEXAS

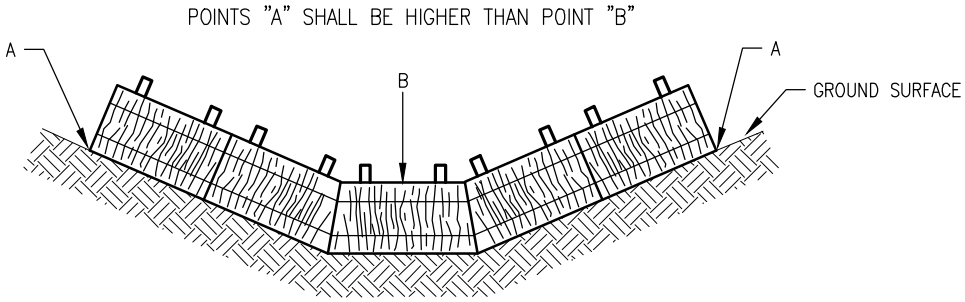
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-034	1 OF 1	C

P:\1901.doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-034.dwg Plotted on: Sep 02, 2021 - 8:13am by cstovall

STRAW BALE INSTALLATION FOR A CHECK DAM IN A DRAINAGE WAY



PLAN VIEW



CROSS SECTION

NOTE:

1. THE NUMBER OF BALES IS DETERMINED BASED ON SITE SPECIFIC FACTORS.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

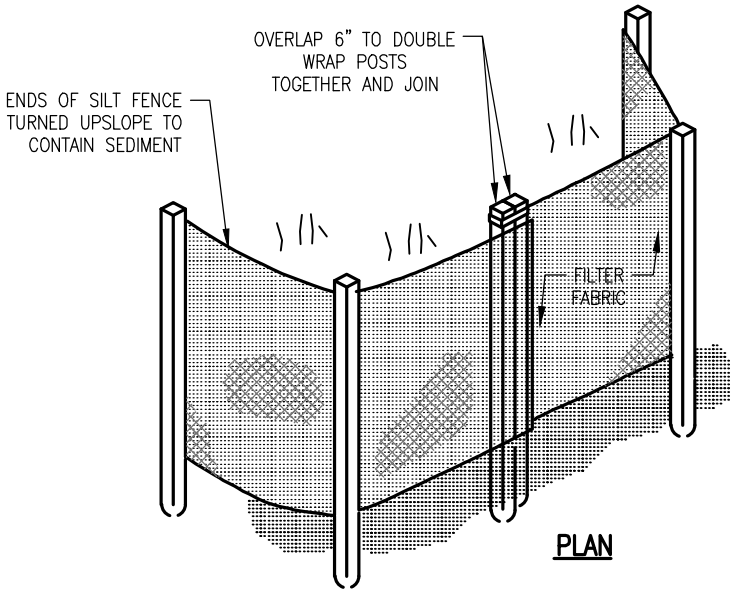
CP EXPRESS

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

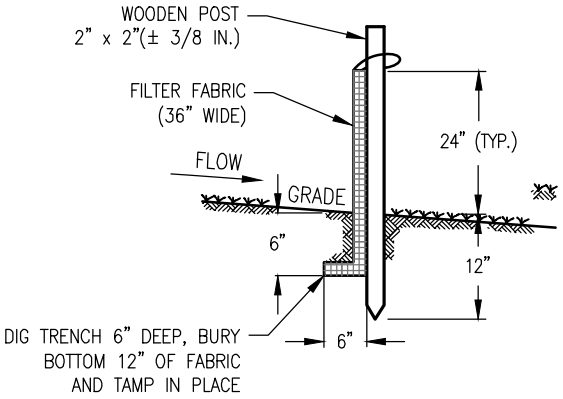
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
STRAW BALE INSTALLATION FOR A CHECK DAM IN A DRAINAGE WAY
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-035	1 OF 1	C

SILT FENCE INSTALLATION AND MAINTENANCE DETAIL



PLAN



CROSS SECTION

INSTALLATION REQUIREMENTS:

- WHEN USING SILT FENCE, PLACE IT:
  1. BETWEEN DISTURBED AREAS AND DOWN-SLOPE ENVIRONMENTAL RESOURCE AREAS.
  2. AT THE BASE OF ALL SLOPES NEXT TO WETLANDS, WATERBODIES, AND ROAD CROSSINGS.
  3. AT THE INLET AND OUTLET OF OPEN DRAINAGE STRUCTURES.
  4. APPROXIMATELY 6 FEET BEYOND THE TOE OF THE SLOPE TO GIVE THE SEDIMENT ROOM TO COLLECT (IF POSSIBLE).

- USE SANDBAGS OR BACKFILLING TO KEY IN THE BOTTOM OF THE FABRIC WHERE IT IS NOT FEASIBLE TO TRENCH IT IN (LEDGES, ROCKY SOIL, LARGE ROOTS, ETC.).

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

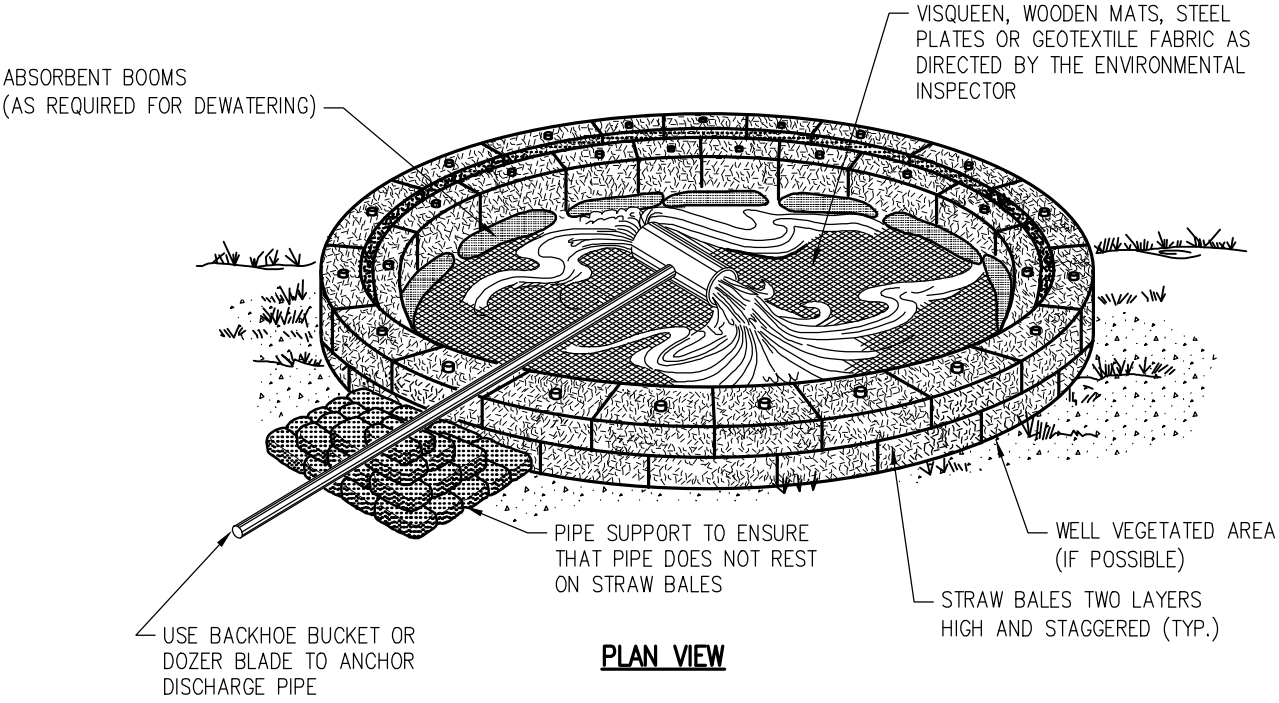
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

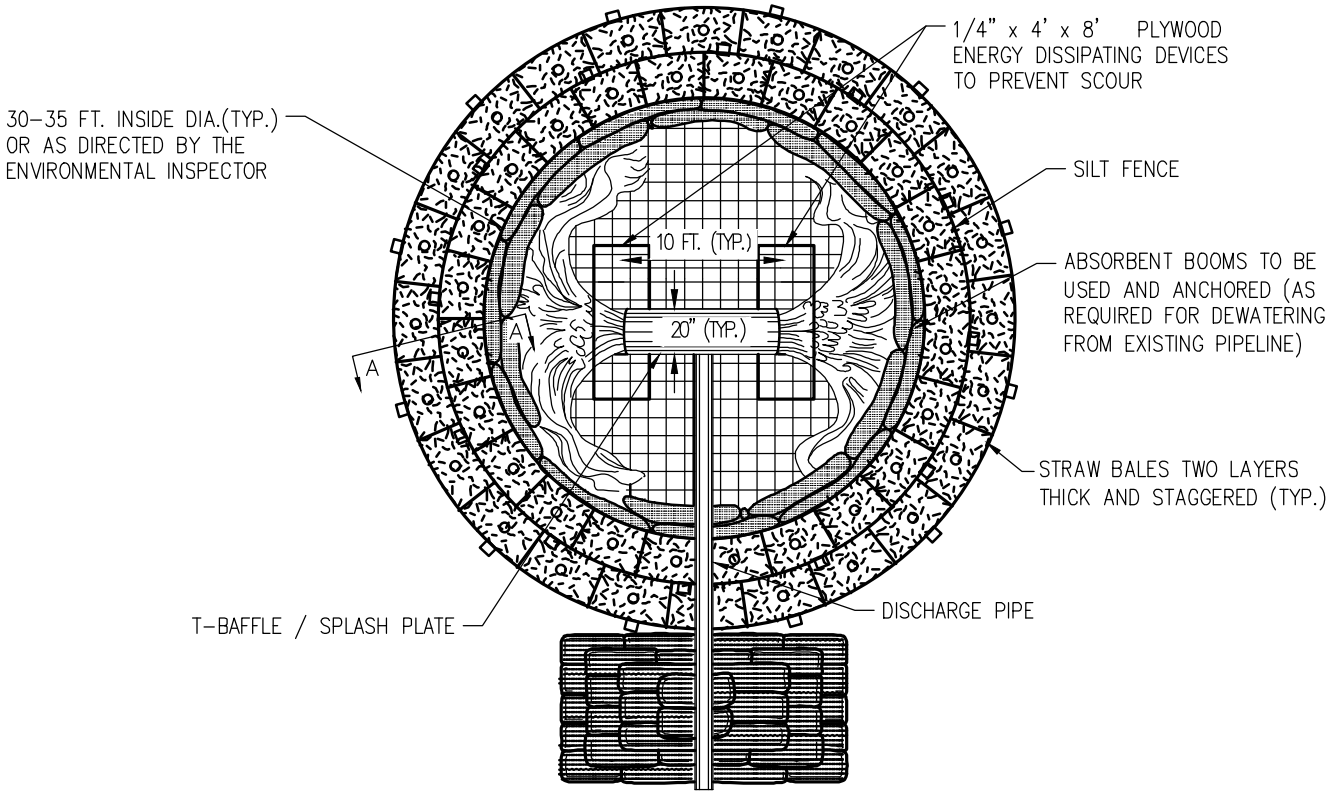
CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
SILT FENCE INSTALLATION AND MAINTENANCE DETAIL
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-036	1 OF 1	C

DEWATERING STRUCTURE FOR HYDROSTATIC TESTING



PLAN VIEW



TOP VIEW

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

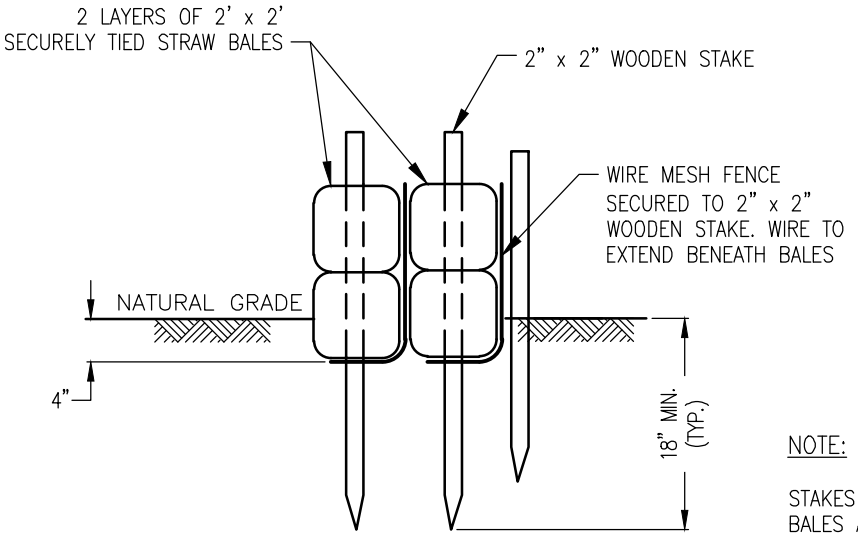
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
DEWATERING STRUCTURE FOR HYDROSTATIC TESTING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-037	1 OF 2	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-037.dwg Plotted on: Sep 02, 2021 - 8:15am by cstovall

DEWATERING STRUCTURE FOR HYDROSTATIC TESTING



NOTE:

STAKES SECURING SILT FENCE BETWEEN BALES ARE NOT SHOWN FOR CLARITY.

SECTION 'A–A' (N.T.S.)

NOTES:

1. STRUCTURE SHALL BE PLACED ON A LEVEL WELL VEGETATED SITE SUCH THAT WATER WILL FLOW AWAY FROM STRUCTURE AND ANY WORK AREAS.
2. FLOW RATES THROUGH DISCHARGE AND DIVERTOR PIPES SHALL BE SUCH THAT STRUCTURE WILL NOT OVERFLOW.
3. A 30' OR 35' RECTANGULAR STRUCTURE MAY BE SUBSTITUTED FOR THE CIRCULAR CONFIGURATION SHOWN.
4. DIMENSIONS SHOWN ARE THE MINIMUM ACCEPTABLE AND MAY BE VARIED DEPENDING UPON SPECIFIC LOCATION.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

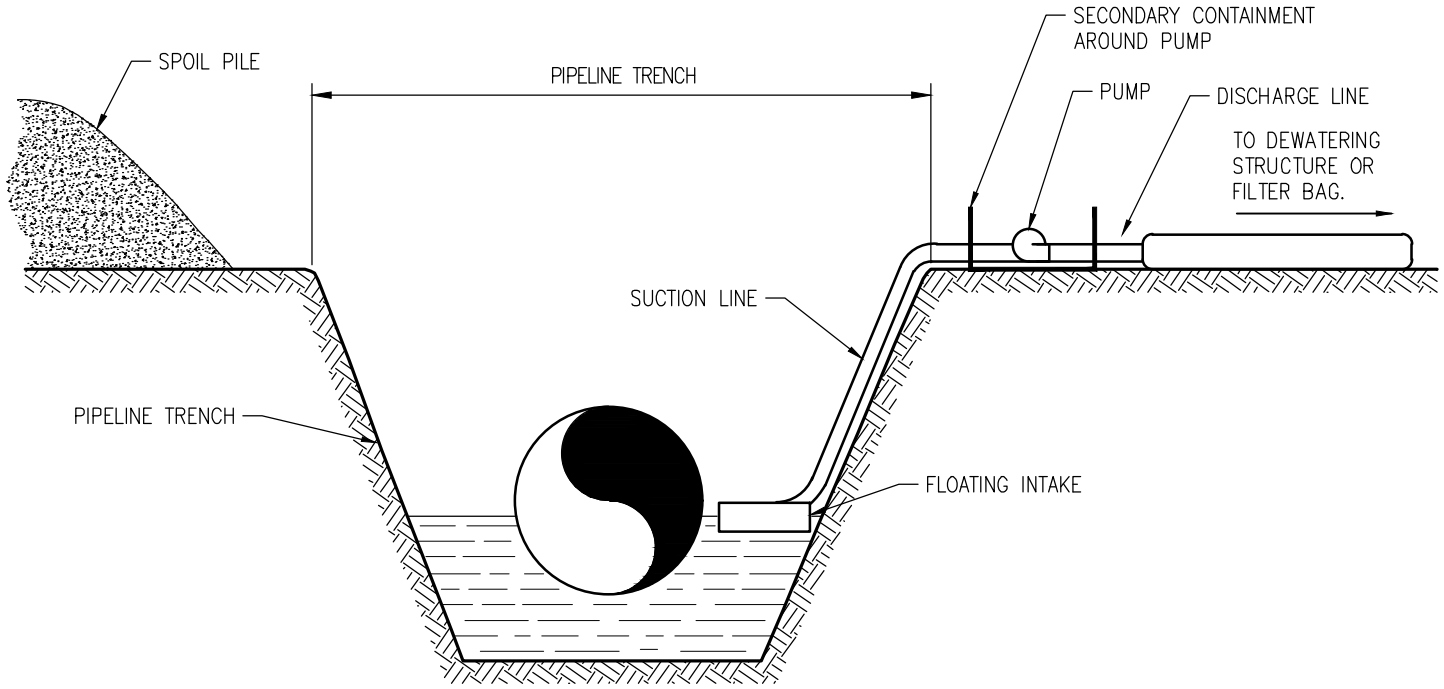
DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
DEWATERING STRUCTURE FOR HYDROSTATIC TESTING
LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-037	2 OF 2	C

TYPICAL TRENCH DEWATERING



CROSS SECTION

SCALE: N.T.S.

NOTES:

1. WATER PUMPED OUT OF TRENCH SHALL NOT BE DISCHARGED DIRECTLY INTO WATERWAYS. WATER SHALL BE DISCHARGED INTO A FILTER BAG OR DEWATERING STRUCTURE.
2. PUMP SHALL BE CONTROLLED SO THAT DISCHARGE DOES NOT OVERFLOW DEWATERING STRUCTURE.
3. PUMP SUCTION HOSE MUST NOT BE ALLOWED TO COME IN CONTACT WITH TRENCH BOTTOM. PROVISIONS MUST BE MADE TO ELEVATE THE SUCTION HOSE TO AT LEAST ONE FOOT ABOVE THE BOTTOM OF THE PIPE TRENCH UNTIL BOTTOM DEWATERING IS NECESSARY.
4. DEWATERING SHALL NOT OCCUR DURING TIMES OF HEAVY RAINFALL EXCEPT AS REQUIRED TO PREVENT FLOODING OF CONSTRUCTION EQUIPMENT LOCATED IN BORE PITS AND TRENCHES.
5. PUMPS UTILIZED DURING DEWATERING SHALL BE PLACED WITHIN SECONDARY CONTAINMENT IF POSITIONED WITHIN 100 FEET OF A WETLAND OR WATERBODY.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

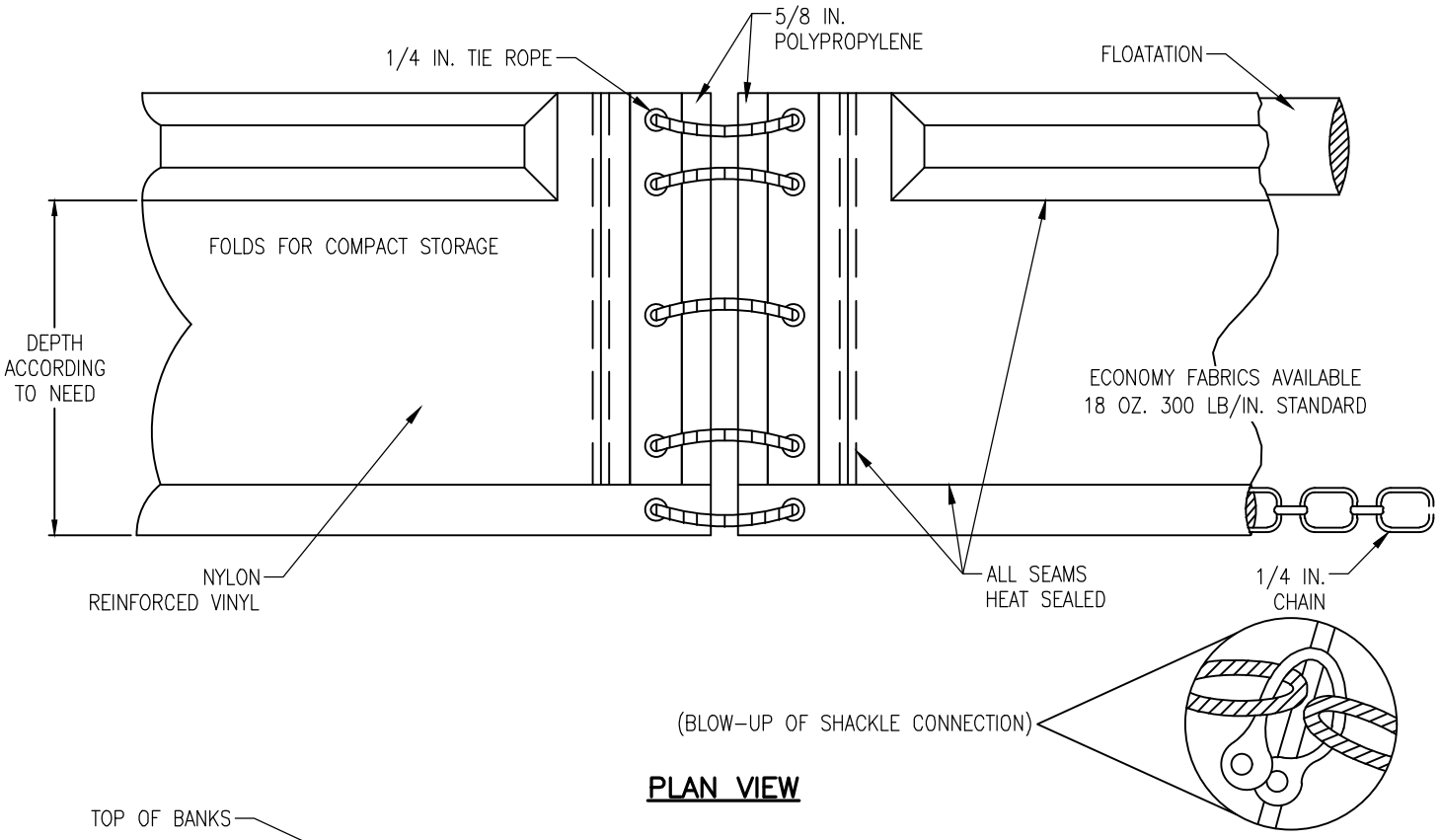
CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TYPICAL
TRENCH DEWATERING
LOUISIANA / TEXAS

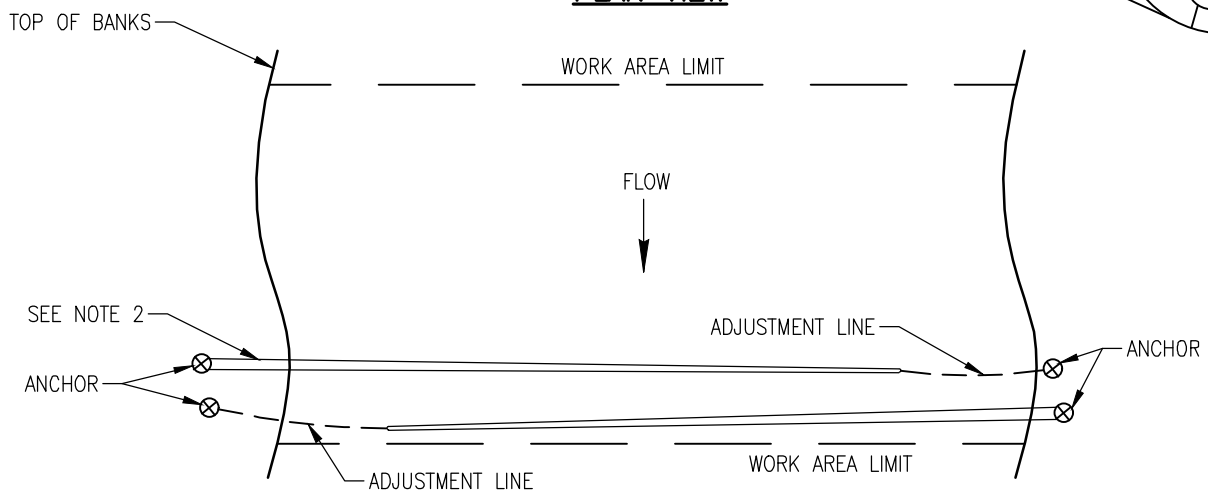
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-038	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-038.dwg Plotted on: Sep 02, 2021 - 8:17am by cstovall

TURBIDITY CURTAIN



PLAN VIEW



NOTES:

1. TURBIDITY CURTAINS SHALL BE INSTALLED WITHIN THE CONSTRUCTION R.O.W.
2. TURBIDITY CURTAIN ANCHORS TO BE INSTALLED 10 FEET MINIMUM FROM THE STREAM BANKS WHERE PRACTICAL.
3. WATERBODY, STREAM FLOW TO BE MAINTAINED THROUGH INSTALLATION AND THE CONSTRUCTION CROSSING.
4. TURBIDITY CURTAINS TO BE INSTALLED ON THE DOWNSTREAM SIDE OF THE CONSTRUCTION AREA. NUMBER AND PLACEMENT OF TURBIDITY CURTAINS TO BE ESTABLISHED IN FIELD AT TIME OF CROSSING DEPENDING ON SITE CONDITIONS.
5. ADJUSTMENT LINES PLACED TO ALLOW POSITIONING OF TURBIDITY CURTAINS TO ALLOW SEDIMENT TO BE DEPOSITED WITHIN WORK AREA.
6. NON FLOWING WATERBODY, TURBIDITY CURTAINS MAY BE REQUIRED UPSTREAM AND DOWNSTREAM OF CONSTRUCTION WORK AREA.

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	05/19/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	04/14/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	04/06/21	SC	JB

GULF Companies

DWN. BY:	GIE	04/06/21
CHK.	SC	04/06/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	N.T.S.	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" & 24" PIPELINES
TURBIDITY CURTAIN

LOUISIANA / TEXAS

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-039	1 OF 1	C

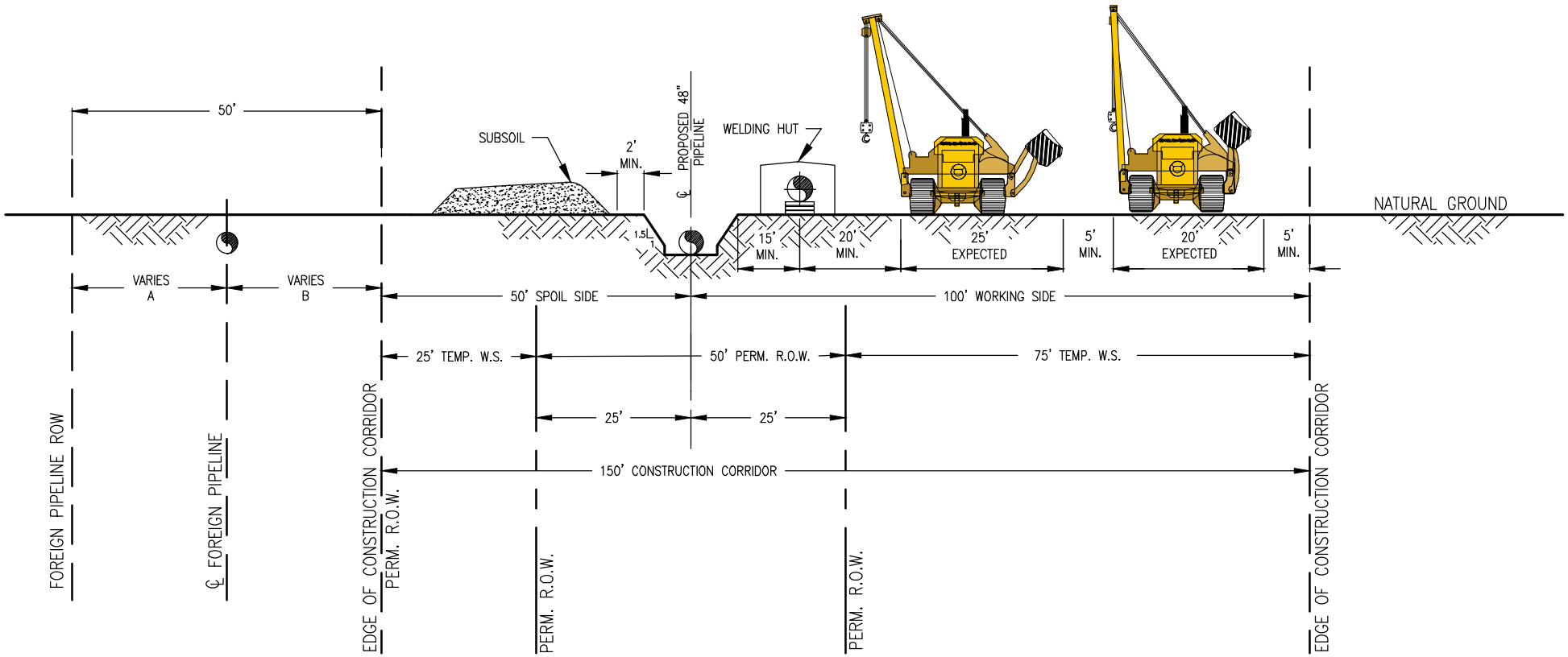
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-039.dwg Plotted on: Sep 02, 2021 - 8:17am by cstovall

TYPICAL UPLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET	
				A	B
TARGA	37.61	37.97	1,898	TBD	TBD

* WETLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
D	ISSUED FOR FERC FILING	GIE	10/13/21	SC	JC
C	ISSUED FOR FERC FILING	GIE	10/4/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	CS	9/2/21	JC	JC
A	ISSUED FOR INTERNAL REVIEW	CS	9/2/21	JC	JC

GULF Companies

DWN. BY:	CS	10/13/21
CHK.	JC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL UPLAND CO-LOCATION
WITH FOREIGN PIPELINE
LOUISIANA / TEXAS

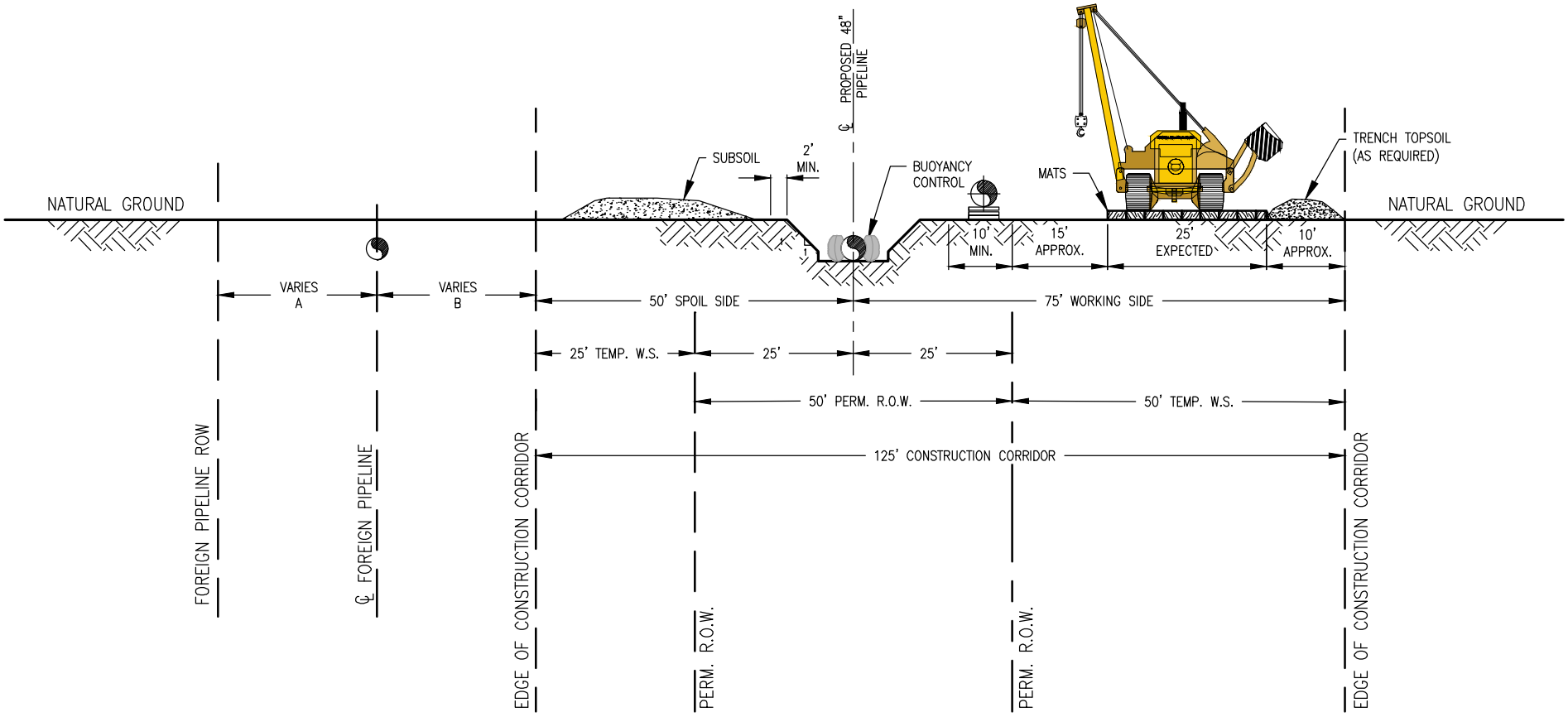
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-043	1 OF 1	D

TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
TARGA	37.61	37.97	1,898	TBD	TBD

* WETLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
D	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
C	ISSUED FOR FERC FILING	GIE	10/4/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	CS	9/2/21	SC	JC
A	ISSUED FOR INTERNAL REVIEW	CS	9/2/21	JC	JC

GULF Companies

DWN. BY:	CS	10/13/21
CHK.	JC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL WETLAND CO-LOCATION
WITH FOREIGN PIPELINE
LOUISIANA / TEXAS

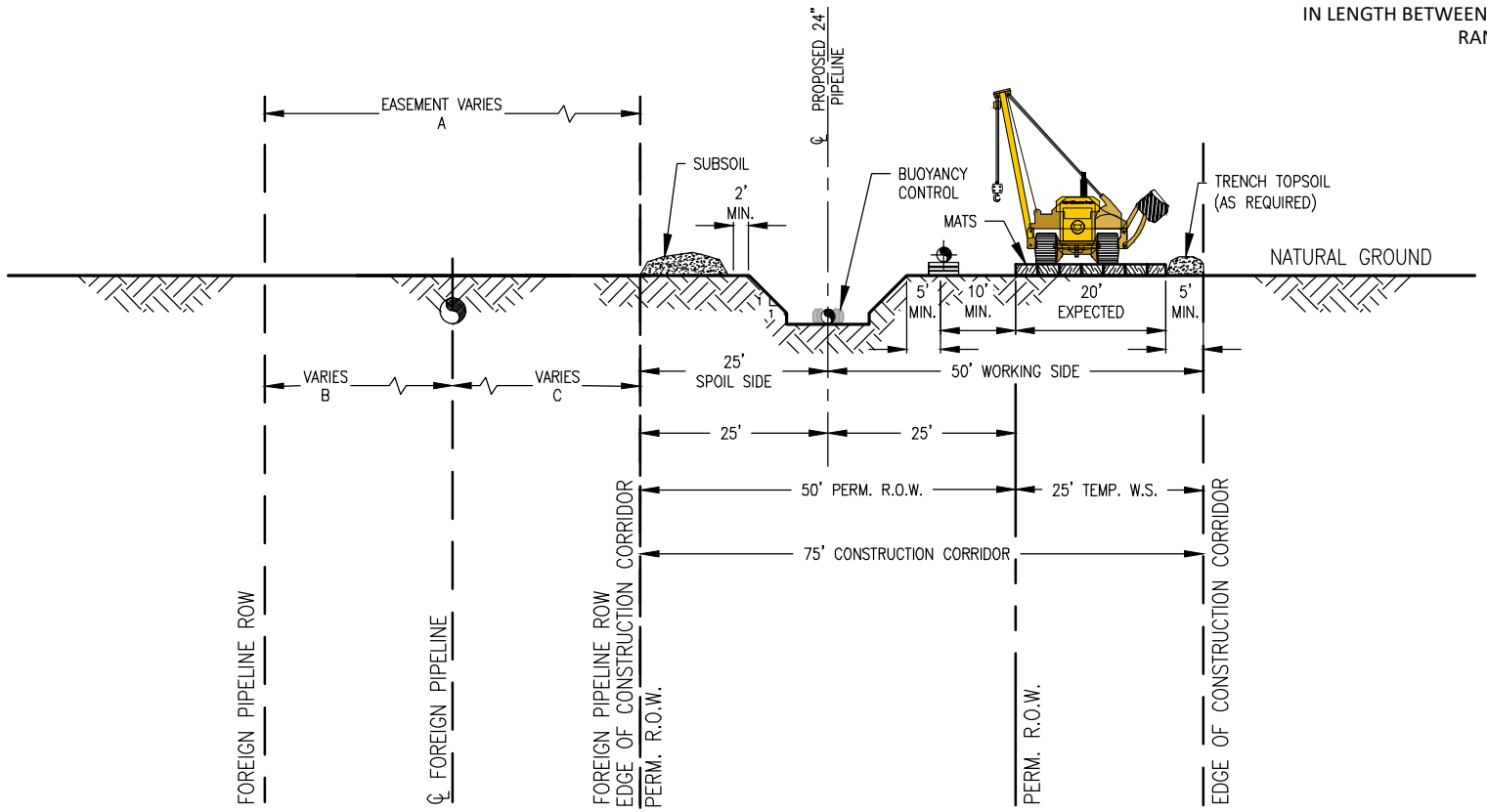
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-044	1 OF 1	D

TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP	END MP	LENGTH FEET	WIDTH FEET		
				A	B	C
GOLDEN PASS	1.04	3.10	10,906	50	25	25
GOLDEN PASS	3.46	5.19	9,147	50	25	25

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/4/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	9/23/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	9/22/21	SC	JC

GULF Companies

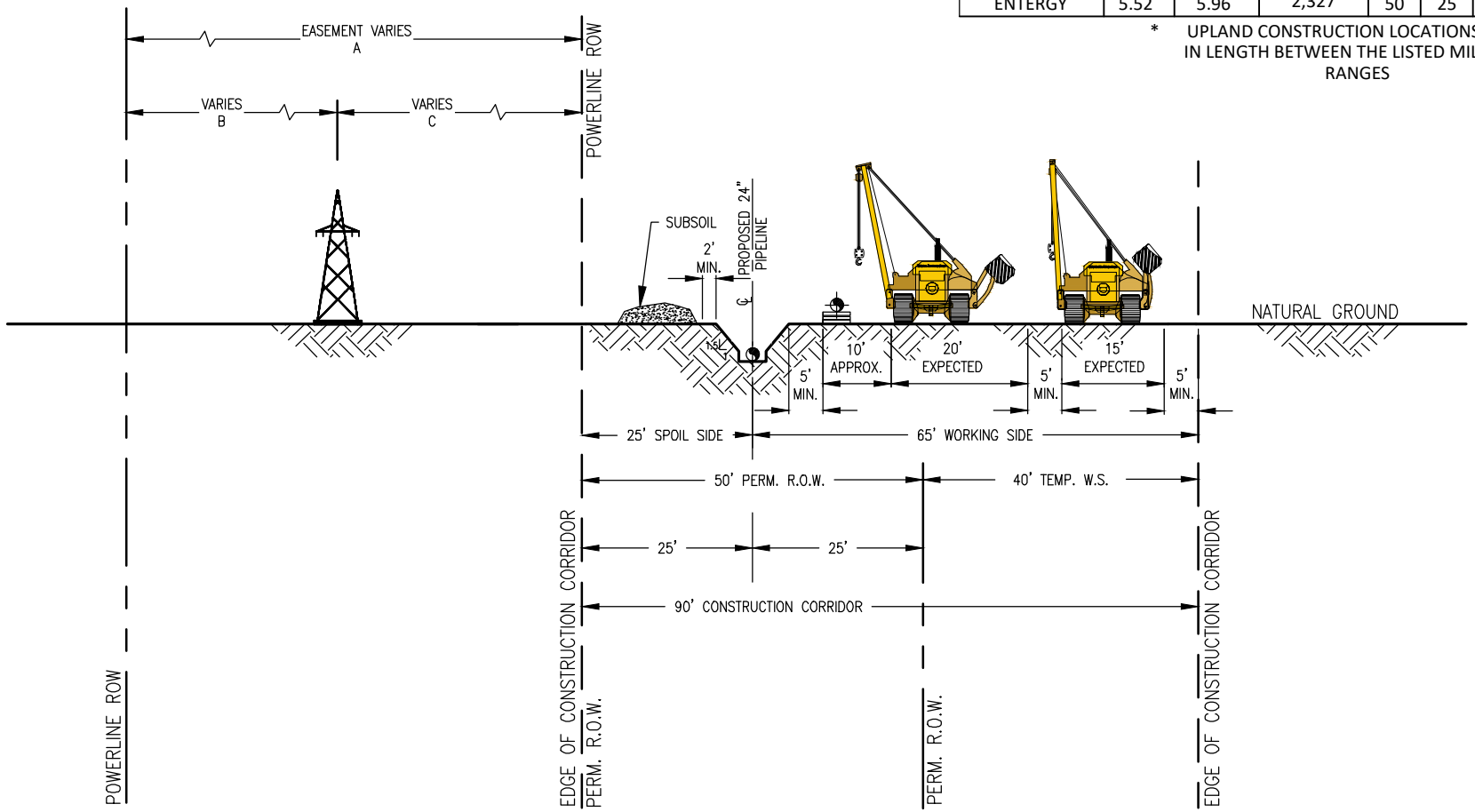
DWN. BY:	GIE	9/22/21
CHK.	SC	9/22/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL WETLAND CO-LOCATION WITH FOREIGN PIPELINE
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-005	1 OF 1	C

TYPICAL UPLAND CO-LOCATION WITH OVERHEAD POWERLINE CONSTRUCTION CORRIDOR



POWERLINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP	END MP	LENGTH FEET	WIDTH FEET		
				A	B	C
ENTERGY	5.52	5.96	2,327	50	25	25

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/4/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	9/23/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	9/23/21	SC	JC

GULF Companies

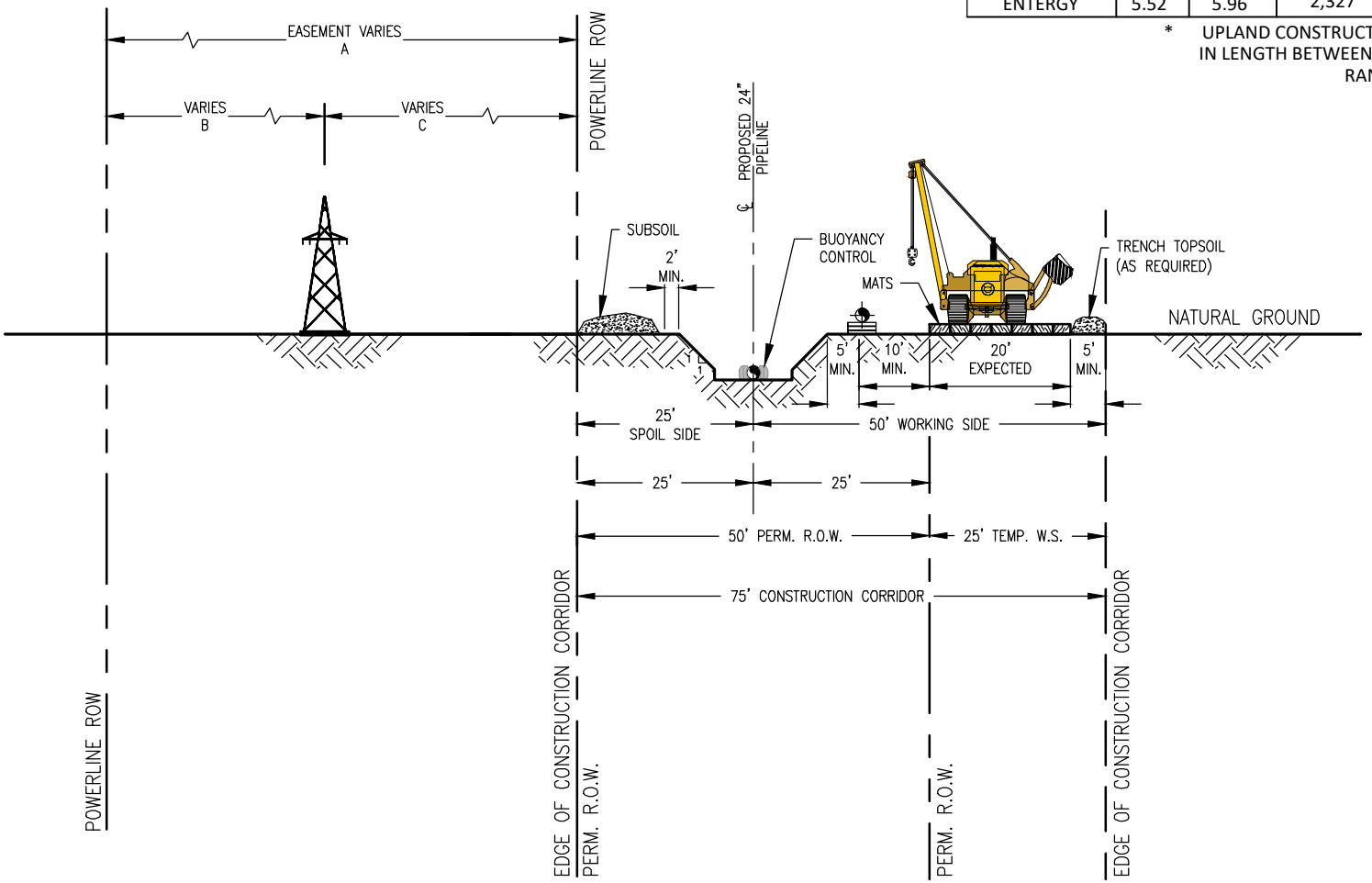
DWN. BY:	GIE	9/23/21
CHK.	SC	9/23/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL UPLAND CO-LOCATION WITH OVERHEAD POWERLINE
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-006	1 OF 1	C

TYPICAL WETLAND CO-LOCATION WITH OVERHEAD POWERLINE CONSTRUCTION CORRIDOR



POWERLINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP	END MP	LENGTH FEET	WIDTH FEET		
				A	B	C
ENTERGY	5.52	5.96	2,327	50	25	25

* UPLAND CONSTRUCTION LOCATIONS VARY IN LENGTH BETWEEN THE LISTED MILEPOST RANGES

NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/4/21	SC	JC
B	ISSUED FOR CLIENT REVIEW	GIE	9/23/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	9/23/21	SC	JC

GULF Companies

DWN. BY:	GIE	9/23/21
CHK.	SC	9/23/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 24" PIPELINE
TYPICAL WETLAND CO-LOCATION WITH OVERHEAD POWERLINE
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-101-PL-DWG-7007-007	1 OF 1	C

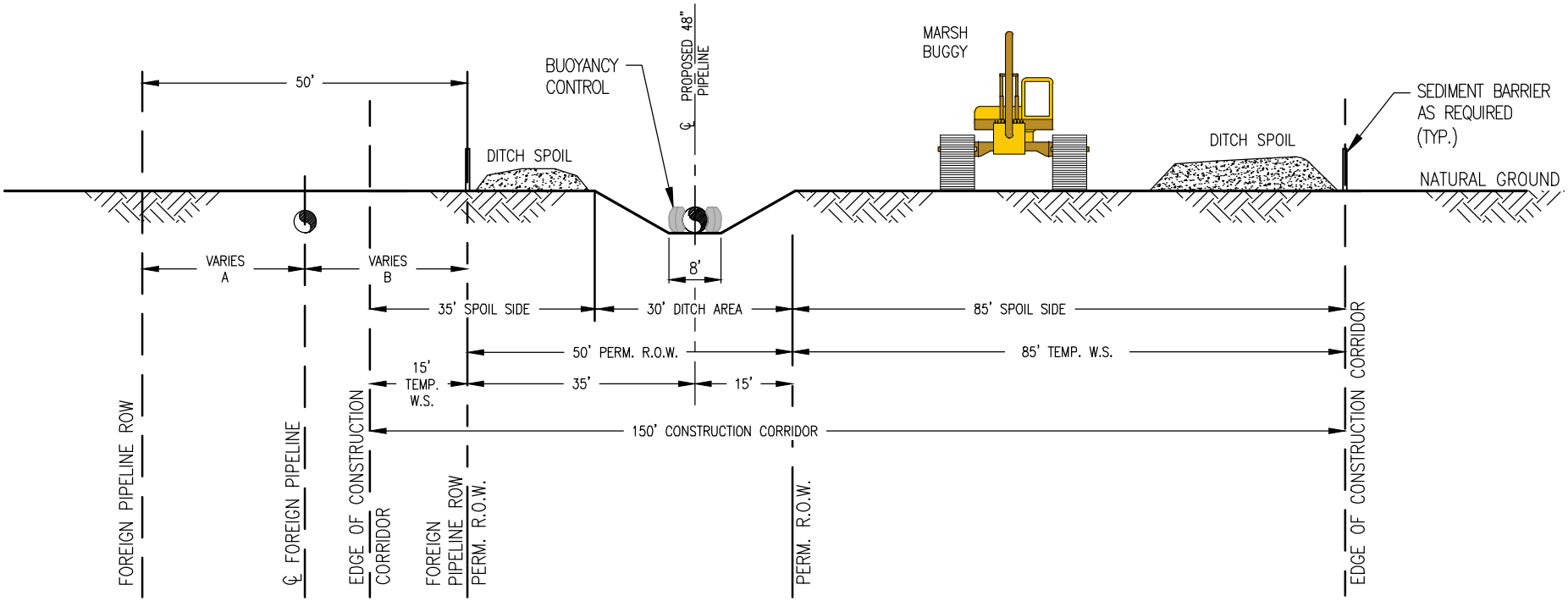
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-101-PL-DWG-7007-007.dwg Plotted on: Oct 04, 2021 - 2:06pm by casciola

TYPICAL MARSH PUSH CONSTRUCTION CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
CGT	51.32	53.45	11,246	25	25

* TYPICAL APPLIES TO UPLAND AND WETLAND LOCATIONS WHICH VARY BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/8/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/8/21	JB	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	JB	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL MARSH PUSH CO-LOCATION WITH FOREIGN PIPELINE (50' R.O.W.)
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-045	1 OF 1	C

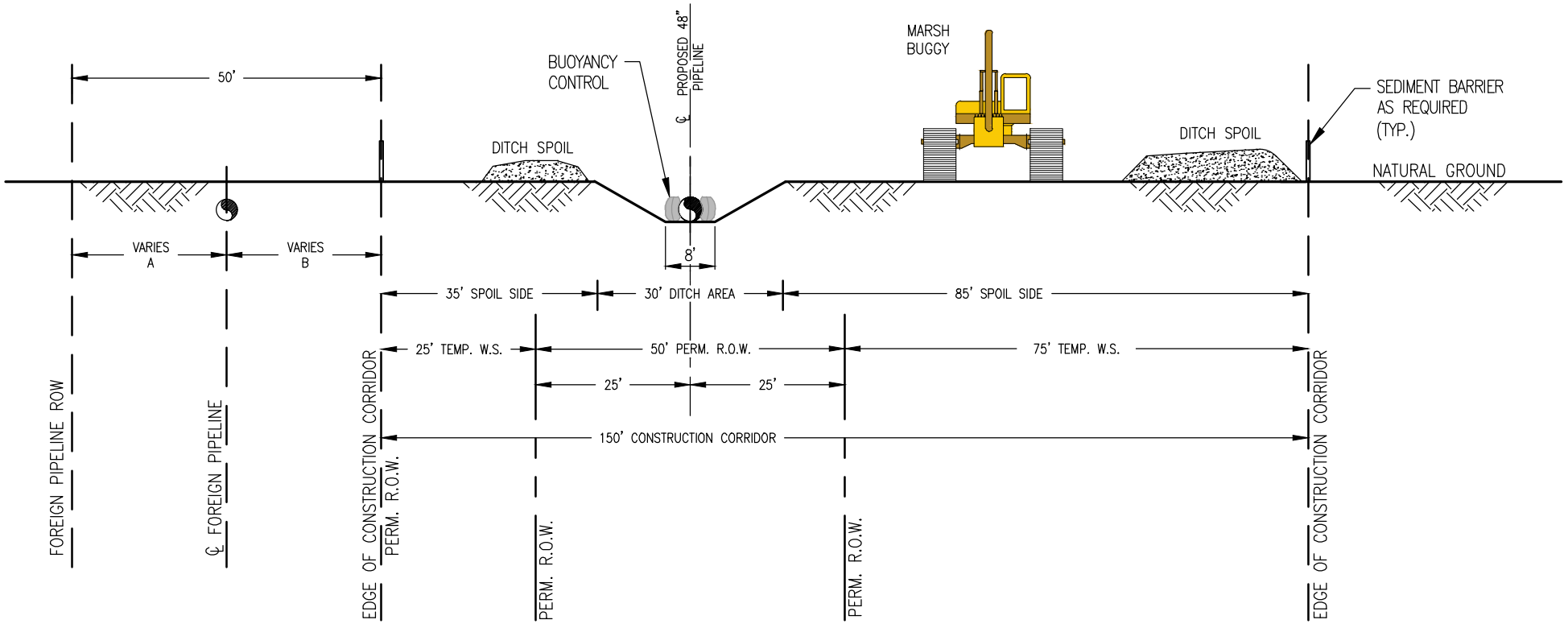
P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-045.dwg Plotted on: Oct 13, 2021 - 8:05am by casciola

TYPICAL MARSH PUSH CONSTRUCTION CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
VG-TRANSCAMERON	83.37	84.35	5,174	15	35

* TYPICAL APPLIES TO UPLAND AND WETLAND LOCATIONS WHICH VARY BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/8/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/8/21	JB	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	JB	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL MARSH PUSH CO-LOCATION
WITH FOREIGN PIPELINE (50' R.O.W.)
LOUISIANA

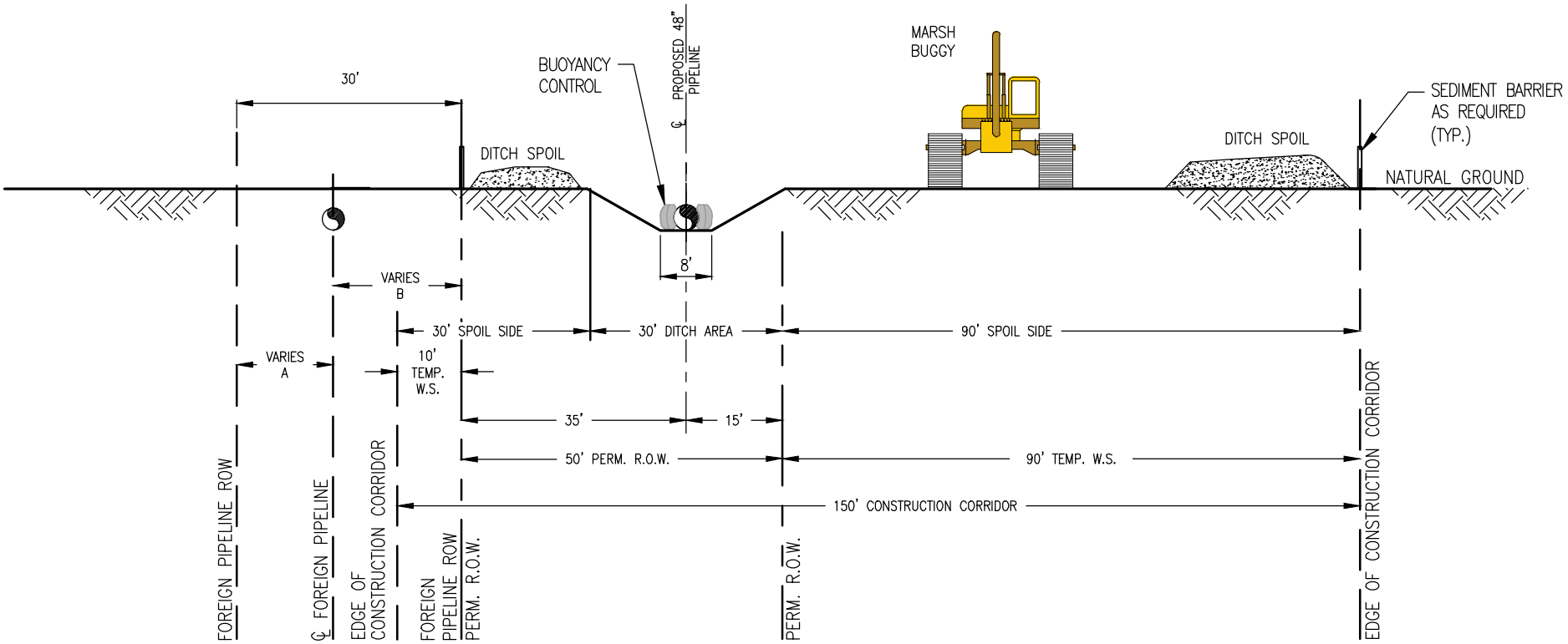
DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-046	1 OF 1	C

TYPICAL MARSH PUSH CONSTRUCTION CO-LOCATION WITH FOREIGN PIPELINE CONSTRUCTION CORRIDOR

PIPELINE CO-LOCATION

COLOCATE UTILITY	BEGIN MP *	END MP *	LENGTH FEET	WIDTH FEET A	WIDTH FEET B
KINETICA	73.35	78.64	27,917	15	15

* TYPICAL APPLIES TO UPLAND AND WETLAND LOCATIONS WHICH VARY BETWEEN THE LISTED MILEPOST RANGES



NO.	REVISION DESCRIPTION	BY	DATE	CHK'D	APP'D
C	ISSUED FOR FERC FILING	GIE	10/13/21	JB	JC
B	ISSUED FOR CLIENT REVIEW	GIE	10/8/21	JB	JC
A	ISSUED FOR INTERNAL REVIEW	GIE	10/8/21	SC	JC

GULF Companies

DWN. BY:	GIE	10/13/21
CHK.	SC	10/13/21
PROJ. ENGR.		
PROJ. MGR.		
CLIENT APP.		
SCALE:	NTS	

CP EXPRESS

CP EXPRESS PIPELINE, LLC.
PROPOSED 48" PIPELINE
TYPICAL MARSH PUSH CO-LOCATION WITH FOREIGN PIPELINE (30' R.O.W.)
LOUISIANA

DWG. NO.	SHT. NO.	REV.
1901-100-PL-DWG-7007-047	1 OF 1	C

P:\1901\doc\Engineering & Technical\10_Pipeline\Mapping\Typicals\1901-100-PL-DWG-7007-047.dwg Plotted on: Oct 12, 2021 - 1:20pm by casciola

Appendix E

Temporary and Permanent Access Roads Associated with the Pipeline System

Appendix E
Temporary and Permanent Access Roads Associated with the Pipeline System

Name	MP	Use (Perm. or Temp.)	Existing Road (Yes/ No/ Partial)	Existing Road Description	Current Width (feet)	Final Width (feet)	Current Length (feet)	Final Length (feet)	Improvements Required	Temp. Acres	Perm. Acres	Total [a]
PIPELINE SYSTEM												
CP Express Pipeline												
Jasper County												
PAR-JA-001	0.0	Perm.	Yes	Gravel	12–15	20	10,062	10,062	Minor grading and 6 inches of gravel	0.0	4.6	4.6
TAR-JA-003	1.5	Temp.	Yes	Gravel	10	20	6,624	6,624	Minor grading and 6 inches of gravel	3.0	0.0	3.0
TAR-JA-013	4.9	Temp.	Yes	Dirt/Gravel	10–15	20	2,460	2,460	Minor grading and 6 inches of gravel	1.1	0.0	1.1
Newton County												
TAR-NE-013	8.5	Temp.	Yes	Gravel	20	20	8,780	8,780	Minor grading and 6 inches of gravel	4.0	0.0	4.0
TAR-NE-020	11.8	Temp.	Yes	Gravel	20	20	10,855	10,855	No improvements needed	5.0	0.0	5.0
PAR-NE-024	15.1	Perm.	No	New	0	20	0	1,606	Access road to be built to 20 feet wide with 6 inches of gravel	0.0	0.7	0.7
TAR-NE-034	16.4	Temp.	Yes	Dirt/Gravel	10–12	20	1,876	2,313	Minor grading and 6 inches of gravel	1.1	0.0	1.1
PAR-NE-049	18.1	Perm.	No	New	0	20	0	51	Access road to be built to 15 feet wide with 6 inches of gravel	0.0	<0.1	<0.1
Calcasieu Parish												
TAR-CL-019	22.4	Temp.	Yes	Gravel	20	20	184	184	Minor grading and 6 inches of gravel	0.1	0.0	0.1
TAR-CL-035	24.1	Temp.	Yes	Gravel	20–25	20–25	814	184	No improvements needed	0.4	0.0	0.4
TAR-CL-035-01	23.7	Temp.	Yes	Gravel	20–25	20–25	297	297	No improvements needed	0.1	0.0	0.1
TAR-CL-043	24.5	Temp.	Yes	Gravel	20–25	20–25	6,573	6,573	Mats may be installed in inundated area along existing road; minor grading and 6 inches of gravel	3.0	0.0	3.0
TAR-CL-045	25.8	Temp.	Yes	Gravel	15–20	15–20	121	121	Minor grading and 6 inches of gravel	0.1	0.0	0.1
TAR-CL-073	26.7	Temp.	Yes	Dirt	20	20	77	77	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1

Appendix E

Temporary and Permanent Access Roads Associated with the Pipeline System

Name	MP	Use (Perm. or Temp.)	Existing Road (Yes/ No/ Partial)	Existing Road Description	Current Width (feet)	Final Width (feet)	Current Length (feet)	Final Length (feet)	Improvements Required	Temp. Acres	Perm. Acres	Total [a]
TAR-CL-073.CRX	26.9	Temp.	Yes	Dirt	15	20	80	80	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1
TAR-CL-079	27.1	Temp.	No	New	0	20	0	77	Access road to be built to 20 feet wide with timber mats only	<0.1	0.0	<0.1
TAR-CL-081	27.5	Temp.	Yes	Gravel	20–25	20–25	93	93	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1
TAR-CL-100	29.3	Temp.	Yes	Gravel	20	20	5,860	5,860	No improvements needed	2.7	0.0	2.7
TAR-CL-100-01	29.5	Temp.	Yes	Gravel	20	20	297	297	Minor grading and 6 inches of gravel	0.2	0.0	0.2
PAR-CL-110	32.0	Perm.	Partial	Gravel	10–15	20	3,951	6,263	Minor grading and 6 inches of gravel	0.0	2.8	2.8
TAR-CL-144	35.4	Temp.	Yes	Gravel	15	20	3,607	3,607	Minor grading and 6 inches of gravel	1.7	0.0	1.7
TAR-CL-149	36.0	Temp.	Yes	Gravel	15	20	980	980	Minor grading and 6 inches of gravel	0.5	0.0	0.5
TAR-CL-186	40.3	Temp.	Yes	Gravel	15	20	9,030	9,030	Access road needs to be extended; minor grading and 6 inches of gravel	4.2	0.0	4.2
TAR-CL-186-01	40.0	Temp.	Yes	Gravel	15	20	219	219	Minor grading and 6 inches of gravel	0.1	0.0	0.1
TAR-CL-199	42.6	Temp.	Yes	Gravel	15	20	5,387	5,387	Minor grading and 6 inches of gravel	2.5	0.0	2.5
TAR-CL-199-01	42.3	Temp.	Yes	Gravel	15	20	85	85	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1
PAR-CL-216-800	44.2	Perm.	No	New	0	20	121	22	Access road to be built 20 feet wide; minor grading and 6 inches of gravel	0.0	<0.1	<0.1
PAR-CL-216-200	44.5	Perm.	Yes	Gravel	20–25	20–25	327	327	Minor grading and 6 inches of gravel	0.0	0.2	0.2
PAR-CL-216-100	44.5	Perm.	No	Gravel	0	20	0	24	Access road to be built 20 feet wide; minor grading and 6 inches of gravel	0.0	<0.1	<0.1
TAR-CL-230	46.6	Temp.	Yes	Gravel	25	20	2,044	2,044	No improvements needed	1.0	0.0	1.2
TAR-CL-233	47.1	Temp.	Yes	Gravel	20	20	77	77	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1
TAR-CL-235	47.1	Temp.	Yes	Gravel	20	20	76	76	Minor grading and 6 inches of gravel	<0.1	0.0	<0.1

Appendix E
Temporary and Permanent Access Roads Associated with the Pipeline System

Name	MP	Use (Perm. or Temp.)	Existing Road (Yes/ No/ Partial)	Existing Road Description	Current Width (feet)	Final Width (feet)	Current Length (feet)	Final Length (feet)	Improvements Required	Temp. Acres	Perm. Acres	Total [a]
TAR-CL-245	48.0	Temp.	Partial	New	20	20	66	366	Access road to be built 20 feet wide with timber mats only	0.2	0.0	0.2
TAR-CL-262	49.0	Temp.	No	New	15	20	0	375	Access road to be built 15 feet wide with timber mats only	0.2	0.0	0.2
TAR-CL-275	49.8	Temp.	Partial	Gravel	15–20	15–20	1,306	1,306	Minor grading and 6 inches of gravel	0.6	0.0	0.6
PAR-CL-289	53.2	Perm.	No	New	20	20	0	224	Access road for MLV to be built 20 feet wide; minor grading and 8 inches of gravel	0.0	0.1	0.1
Cameron Parish												
TAR-CM-001	55.3	Temp.	Yes	Gravel	20–25	20–25	237	237	Minor grading and 6 inches of gravel	0.1	0.0	0.1
TAR-CM-003	56.3	Temp.	Yes	Gravel	20–25	20–25	1,311	1,311	Minor grading and 6 inches of gravel	0.6	0.0	0.6
TAR-CM-051	70.5	Temp.	Partial	Gravel	20–25	20–25	10,520	11,121	Minor grading and 6 inches of gravel	5.1	0.0	5.1
PAR-CM-055	72.7	Perm.	Partial	Asphalt/ New	20	20	744	815	Access road for MLV to be built 20 feet wide; minor grading and 6 inches of gravel	0.0	0.4	0.4
TAR-CM-065	73.4	Temp.	No	New	0	20	0	240	Access road to be built 20 feet with timber mats only; culverts will be needed at public road	0.1	0.0	0.1
TAR-CM-092	76.2	Temp.	Yes	Gravel	20	20	2,598	2,598	Minor grading and 6 inches of gravel	1.2	0.0	1.2
TAR-CM-115	77.7	Temp.	Yes	Gravel	15–20	15–20	2,106	2,106	Minor grading and 6 inches of gravel on existing gravel road; timber mats will be used as needed in the marsh area	1.0	0.0	1.0
TAR-CM-134	78.9	Temp.	Yes	Gravel	20–25	20–25	4,835	4,835	Minor grading and 6 inches of gravel	2.2	0.0	2.2
TAR-CM-136	81.1	Temp.	Yes	Gravel	20	20	10,451	10,451	Minor grading and 6 inches of gravel	4.8	0.0	4.8
TAR-CM-137	83.2	Temp.	Yes	Gravel	20-25	20-25	10,306	10,306	Minor grading and 6 inches of gravel	4.7	0.0	4.7
TAR-CM-139	84.3	Temp.	No	New	0	20	0	1,198	Access road to be built 20 feet wide with timber mats only	0.6	0.0	0.6

Appendix E
Temporary and Permanent Access Roads Associated with the Pipeline System

Name	MP	Use (Perm. or Temp.)	Existing Road (Yes/ No/ Partial)	Existing Road Description	Current Width (feet)	Final Width (feet)	Current Length (feet)	Final Length (feet)	Improvements Required	Temp. Acres	Perm. Acres	Total [a]
TAR-CM-143	84.8	Temp.	Partial	Gravel/New	20	20	746	3,617	Where access road proceeds east off existing asphalt road, timber mats will used as needed	1.2	0.0	1.2
					Subtotal					*53.2*	*8.9*	*62.1*
Enable Gulf Run Lateral												
Calcasieu Parish												
PAR-CL-052-E	0.0	Perm.	No	New	0	0	11	11	Access road to be built 20 feet wide with 6 inches of gravel	0.0	<0.1	<0.1
TAR-CL-034-E	1.0	Temp.	Yes	Gravel	20	20	2,244	2,244	No improvements needed	1.0	0.0	1.0
TAR-CL-030-E	2.1	Temp.	Yes	Gravel	20–25	20–25	3,003	3,003	Minor grading and 6 inches of gravel	1.4	0.0	1.4
TAR-CL-029-E	2.3	Temp.	Yes	Gravel	15-20	20	932	932	Minor grading and 6 inches of gravel	0.4	0.0	0.4
TAR-CL-023-E	3.2	Temp.	Yes	Gravel	20-25	20-25	4,183	4,183	No improvements needed	1.9	0.0	1.9
TAR-CL-016-E	4.8	Temp.	Yes	Gravel	20-25	20	6,925	6,925	Minor grading and 6 inches of gravel	3.2	0.0	3.2
PAR-CL-001-E	6.0	Perm.	Partial	Gravel	25	20	3,392	3,607	Access road to be extended approx. 215 feet to proposed meter station	0.0	1.6	1.6
					Subtotal					***7.9***	***1.6***	***9.5***
					TOTAL					**61.1**	**10.5**	**71.6**

[a] Temporary and permanent acreage based on a final width of 20 feet.
Note: Totals may not match the sum of addends due to rounding.

Appendix F

Oil and Gas Fields Within 0.25-Mile of the Project

Appendix F
Oil and Gas Fields Within 0.25 Mile of the Project [a, b]

Crossing Milepost Range		For Fields Not Crossed		County/Parish	Oil and Gas Field
Milepost In	Milepost Out	Nearest Milepost	Distance and Direction		
TERMINAL FACILITIES					
N/A (within oil and gas field)	N/A (within oil and gas field)	N/A	N/A	Cameron Parish	Calcasieu Pass [c]
PIPELINE SYSTEM					
CP Express Pipeline					
9.5	10.2	N/A	N/A	Newton County	Gist
9.5	12.7	N/A	N/A	Newton County	Camptown
8.5	19.1	N/A	N/A	Newton County	Wildcat
20.5	20.6	N/A	N/A	Calcasieu Parish	Wildcat-So La Lafayette Dist
N/A	N/A	21.9	880 feet N	Calcasieu Parish	Starks
N/A	N/A	22.7	894 feet SW	Calcasieu Parish	Wildcat-So La Lafayette Dist
23	23.1	N/A	N/A	Calcasieu Parish	Wildcat-So La Lk Charles Dist
23.2	25.7	N/A	N/A	Calcasieu Parish	Starks
25.7	26	N/A	N/A	Calcasieu Parish	Wildcat-So La Lk Charles Dist
N/A	N/A	26.6	585 feet W	Calcasieu Parish	Wildcat-So La Lafayette Dist
N/A	N/A	30.3	405 feet SW	Calcasieu Parish	Edgerly West
N/A	N/A	30.6	1,115 feet NE	Calcasieu Parish	Edgerly West
31.1	31.7	N/A	N/A	Calcasieu Parish	Wildcat-So La Lk Charles Dist
N/A	N/A	31.6	403 feet E	Calcasieu Parish	Wildcat-So La Lafayette Dist
N/A	N/A	32.2	428 feet W	Calcasieu Parish	Edgerly West
34.6	35.7	N/A	N/A	Calcasieu Parish	Choupique North
37.4	38.5	N/A	N/A	Calcasieu Parish	Pine Ridge
N/A	N/A	38.3	626 feet SW	Calcasieu Parish	Vinton
N/A	N/A	38.3	897 feet SW	Calcasieu Parish	Vinton
N/A	N/A	38.4	1,354 feet SW	Calcasieu Parish	Pine Ridge
N/A	N/A	38.9	148 feet E	Calcasieu Parish	Wildcat-So La Lk Charles Dist
39.2	41	N/A	N/A	Calcasieu Parish	Choupique
41	41.4	N/A	N/A	Calcasieu Parish	Clear Marais
N/A	N/A	42	558 feet NE	Calcasieu Parish	Choupique
43.8	44.4	N/A	N/A	Calcasieu Parish	Bayou Choupique
45	45.1	N/A	N/A	Calcasieu Parish	Choupique
45.1	45.5	N/A	N/A	Calcasieu Parish	Bayou Choupique
55.1	59.3	N/A	N/A	Cameron Parish	Big Lake
58.3	58.3	N/A	N/A	Cameron Parish	Willow Lake
N/A	N/A	59.7	550 feet NE	Cameron Parish	Wildcat-So La New Orleans Dis
59.8	60	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist

Appendix F
Oil and Gas Fields Within 0.25 Mile of the Project [a, b]

Crossing Milepost Range		For Fields Not Crossed		County/Parish	Oil and Gas Field
Milepost In	Milepost Out	Nearest Milepost	Distance and Direction		
61.4	62	N/A	N/A	Cameron Parish	Grosse Savanne
N/A	N/A	61.7	970 feet SW	Cameron Parish	Wildcat-So La Lk Charles Dist
N/A	N/A	61.8	605 feet NE	Cameron Parish	Willow Lake
70	71	N/A	N/A	Cameron Parish	High Island
N/A	N/A	71.6	907 feet E	Cameron Parish	High Island
72	72.6	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
N/A	N/A	72.4	6 feet E	Cameron Parish	Wildcat-So La Lafayette Dist
72.6	72.6	N/A	N/A	Cameron Parish	Wildcat-So La Lafayette Dist
77	77.8	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
77.8	79.1	N/A	N/A	Cameron Parish	Creole, North
78.2	78.3	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
80.1	80.2	N/A	N/A	Cameron Parish	Back Ridge, South
N/A	N/A	80.1	1296 feet S	Cameron Parish	Creole, North
80.2	80.4	N/A	N/A	Cameron Parish	Back Ridge
80.4	80.6	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
80.6	81.1	N/A	N/A	Cameron Parish	Back Ridge, South
N/A	N/A	80.8	268 feet S	Cameron Parish	Back Ridge
81.1	81.6	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
82.1	82.5	N/A	N/A	Cameron Parish	Wildcat-So La Lk Charles Dist
82.5	82.6	N/A	N/A	Cameron Parish	Back Ridge
82.6	83.8	N/A	N/A	Cameron Parish	Cameron
N/A	N/A	85.3	1171 feet SE	Cameron Parish	West Cameron Block 5
N/A	N/A	85.4	426 feet W	Cameron Parish	Wildcat-So La Lk Charles Dist
Enable Gulf Run Lateral					
4.7	6	N/A	N/A	Calcasieu Parish	Lunita
4.8	5.2	N/A	N/A	Calcasieu Parish	Wildcat-So La Lk Charles Dist
N/A	N/A	6	1170 feet E	Calcasieu Parish	Wildcat-So La Lk Charles Dist

N/A: Not applicable

[a] Location and crossing mileposts of oil and gas fields located in Texas are approximate and based on available data. Texas Railroad Commission. 2021. Public GIS Viewer (Map). Available online at https://www.rrc.state.tx.us/resource-center/research/gis-viewer/.

[b] Louisiana Department of Natural Resources. 2021. SONRIS Interactive Maps – Oil/Gas. Available on line at http://sonris-www.dnr.state.la.us/gis/agsweb/IE/JSViewer/index.html?TemplateID=181.

[c] Three oil and gas wells assigned to two additional oil and gas fields, the Wildcat Lafayette Offshore Oil Field and the Wildcat Lake Charles District Field, are within 0.25 mile of the Terminal Facilities; however, these fields are not mapped within 0.25 mile of the Terminal Facilities according to the Louisiana Department of Natural Resources oil and gas fields database.

Appendix G

Waterbodies Crossed by the Pipeline System

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
PIPELINE SYSTEM											
CP Express Pipeline											
Texas											
	0.0	AWAA200	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	2.3	NWI-0003	Waterbody	Unnamed	Riverine – Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	21
	3.8	WAA198	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	14
	3.8	WAB086	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	16
	3.9	WAB085D	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	16
	5.5	WAA204	Stream	Dognash Gully	Perennial	Minor	No	No	PCR, High Aquatic Life Use	Open Cut	7
	5.6	WAA205	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	13
	6.8	WAB090B	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	10
	7.3	WAA195	Pond	Unnamed	Open Water	Major	No	No	PCR, High Aquatic Life Use	Open Cut	249
	7.3	WAA194	Pond	Unnamed	Open Water	N/A	No	No	PCR, High Aquatic Life Use	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	7.4	WAA193	Stream	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	7.5	WAA192	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	16
	7.5	WAA191	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Open Cut	10
	7.6	NWI-0014	Waterbody	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	7.6	WAA190	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, Minimal Aquatic Life Use	Open Cut	9
	8.2	AWAB092B	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	8.1	WAA189	Pond	Unnamed	Open Water	N/A	No	No	PCR, High Aquatic Life Use	N/A	0
	8.5	WAA206	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Open Cut	1
	11.8	WAA180	Stream	Unnamed	Intermittent	Minor	No	No	PCR, Minimal Aquatic Life Use	Open Cut	10
	11.8	WAB077A	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	12
	13.0	WAB074	Pond	Unnamed	Open Water	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	66
	13.8	WAB072A	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	10

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	13.8	WAB071B	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore, Open Cut	9
	13.8	WAB07	Pond	Unnamed	Open Water	N/A	No	No	PCR, High Aquatic Life Use	N/A	0
	14.4	WAB069	Stream	Unnamed	Ephemeral	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	36
	17.5	WAA185	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	9
	17.5	WAA184B	Ditch	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	17.5	WAA184A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
	17.5	WAA183	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	3
	17.8	WAA182	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	2
	17.8	WAA181A	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, Minimal Aquatic Life Use	Bore	6
	18.0	WAB088	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, Minimal Aquatic Life Use	Open Cut	10
	18.7	WAB097	Stream	Unnamed	Perennial	N/A	No	No	PCR, High Aquatic Life Use	N/A	0
	18.7	WAB096	Stream	Unnamed	Perennial	Major	No	No	PCR, High Aquatic Life Use	Open Cut	131

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	18.7	WAB096	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	68
	18.7	WAB100	Stream	Unnamed	Perennial	N/A	No	No	PCR, High Aquatic Life Use	N/A	0
	18.9	WAB099	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	45
	19.0	WAB094	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	83
	19.1	WAB095	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, High Aquatic Life Use	Open Cut	55
	19.3	WAB075G	Stream	Unnamed	Intermittent	Major	No	No	PCR, Limited Aquatic Life Use	Open Cut	124
	19.4	WAB075B	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	43
	19.5	WAB075C	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	39
	19.5	WAB075D	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, Minimal Aquatic Life Use	Open Cut	68
	19.6	WAB075E	Stream	Unnamed	Intermittent	Major	No	No	PCR, Minimal Aquatic Life Use	Open Cut	245
	20.0	WAB075A	Stream	Sabine River Above Tidal	Perennial	Major	Yes	No	Aquatic Life, Recreation, General, Domestic Water Supply	HDD - Sabine Pass HDD	197
Louisiana											

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	20.5	WAB075F	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	HDD - Sabine Pass HDD	50
	20.5	WAB075F	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	HDD - Sabine Pass HDD	51
	20.6	WAB076	Stream	Old River	Perennial	Major	Yes	No	PCR, SCR, FWP	HDD - Sabine Pass HDD	747
	21.3	NWI-0026	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	25
	22.1	WAA170	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, SCR, FWP	Open Cut	10
	22.4	WAA172	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, SCR, FWP	Open Cut	4
	22.4	WAA171	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, SCR, FWP	Open Cut	6
	23.3	WAC001	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	12
	23.4	WAC002	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
	23.5	WAC004	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	Bore	11
	23.5	WAC005	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	Bore	13
	23.6	WAC006	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	15
	23.7	WAC007	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	12
	23.7	WAC008	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, SCR, FWP	Open Cut	51
	23.8	WAC009	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, SCR, FWP	Open Cut	12
	23.9	WAC011	Stream	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	23
	24.0	WAC010B	Stream	Unnamed	Perennial	N/A	No	No	PCR, SCR, FWP	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	24.2	WAC019	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, SCR, FWP	Open Cut	26
	24.5	WAC020	Stream	Unnamed	Perennial	Minor	No	No	PCR, SCR, FWP	Open Cut	5
	24.5	WAC024	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, SCR, FWP	Open Cut	10
	24.8	WAC026	Pond	Unnamed	Open Water	N/A	No	No	PCR, SCR, FWP	N/A	0
	24.8	WAC025	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	29
	25.2	WAC027	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, SCR, FWP	Open Cut	19
	25.3	WAC028	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	26
	25.4	WAC029	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Open Cut	28
	25.8	WAA159	Stream	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	25.8	WAA156	Ditch	Unnamed	Intermittent	Minor	No	Yes	PCR, SCR, FWP	Open Cut	4
	25.8	WAA155	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	13
	26.0	WAA153	Stream	Unnamed	Intermittent	Minor	No	Yes	PCR, SCR, FWP	Open Cut	9
	26.1	WAA152	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	14
	26.6	WAA151	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	27
	26.9	WAA147	Stream	Dynamite	Perennial	Intermediate	Yes	Yes	PCR, SCR, FWP	HDD - Canal HDD #1	87
	26.9	WAA149	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	HDD - Canal HDD #1	12
	26.9	WAA148	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	HDD - Canal HDD #1	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	26.9	WAA150	Ditch	Unnamed	Ephemeral	Intermediate	No	Yes	PCR, SCR, FWP	HDD - Canal HDD #1	12
	28.0	NWI-0027	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	20
	28.5	NWI-0028	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	26
	28.9	NWI-0029	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	31
	29.1	NWI-0033	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	37
	29.3	WAA186	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Bore	6
	30.1	NWI-0036	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	24
	31.3	NWI-0040	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	36
	31.6	WAB065	Ditch	Unnamed	Ephemeral	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	26
	31.7	WAB066	Stream	Sabine Canal	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	92
	32.0	WAB067	Ditch	Unnamed	Ephemeral	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	16
	32.5	WAB064	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	22
	32.5	WAB062	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	13
	32.8	WAB061	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	27
	32.9	NWI-0041	Waterbody	Unnamed	Riverine – Unknown Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	32.9	NWI-0042	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	32

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	32.9	NWI-0044	Waterbody	Unnamed	Riverine – Unknown Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	33.3	NWI-0045	Waterbody	Unnamed	Riverine - Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	33
	33.3	NWI-0046	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	33
	33.4	NWI-0047	Waterbody	Unnamed	Riverine - Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	33.8	NWI-0049	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	HDD	26
	33.9	NWI-0050	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	HDD	33
	34.5	NWI-0052	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	30
	34.5	NWI-0053	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	33
	34.9	NWI-0055	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	31
	35.3	NWI-0056	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	27
	35.4	NWI-0057	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	27
	36.5	WAA110	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Bore	9
	36.7	WAA111A	Pond	Unnamed	Open Water	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	36.8	WAA111B	Stream	Unnamed	Perennial	Major	No	Yes	PCR, SCR, FWP	Open Cut	107

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	37.7	WAA117	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	49
	38.0	WAA118	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	31
	38.0	NWI-0060	Waterbody	Unnamed	Riverine – Lower Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	39.3	WAA119A	Ditch	Unnamed	Ephemeral	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	12
	40.0	WAA120A	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	16
	40.1	WAA120B	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	40.1	AWAW123	Ditch	Unnamed	Intermittent	Minor	No	No	PCR, SCR, FWP	N/A	0
	40.3	WAA124B	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	32
	40.6	WAA126	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	20
	40.8	WAA125A	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	25
	41.0	WAA125B	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	12
	41.3	WAA127	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	14
	41.3	WAA128A	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Open Cut	9
	41.5	WAA128B	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Bore	7
	41.9	NWI-0066	Waterbody	Unnamed	Riverine – Lower Perennial	Intermediate	No	Yes	PCR, SCR, FWP	HDD	29
	42.3	NWI-0068	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	15

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	42.6	NWI-0070	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	13
	43.1	WAA137D	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Open Cut	6
	43.1	WAA138B	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Open Cut	9
	43.4	WAA139	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	16
	43.7	WAA141	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	14
	44.0	WAA142	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	18
	44.0	WAA143	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	26
	44.2	WAA144	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	12
	44.3	AWAA189	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Bore	6
	44.5	WAA187	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	34
	45.5	WAB026	Stream	Brandon Canal	Perennial	Major	Yes	Yes	PCR, SCR, FWP	HDD - Canal HDD #2	199
	46.9	NWI-0071	Waterbody	Unnamed	Riverine – Unknown Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	13
	47.3	NWI-0072	Waterbody	Unnamed	Riverine – Unknown Perennial	Major	No	Yes	PCR, SCR, FWP	Open Cut	1109
	47.4	NWI-0073	Waterbody	Unnamed	Riverine - Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	47.5	NWI- 0074	Waterbody	Unnamed	Riverine - Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	47.5	NWI-0075	Waterbody	Unnamed	Riverine - Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	48.1	WAB058G	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP, OYS	HDD - Wetland HDD	0
	48.1	WAB058F	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP, OYS	HDD – Wetland HDD	0
	48.1	WAB058E	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, OYS	HDD - Wetland HDD	19
	48.1	WAB058E	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, OYS	HDD - Wetland HDD	68
	48.1	WAB058A	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	HDD - Wetland HDD	773
	48.7	WAB059D	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, OYS	HDD - Wetland HDD	11
	49.1	WAB059E	Stream	Unnamed	Perennial	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	395
	49.2	WAB059F	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP, OYS	N/A	0
	49.4	WAB059G	Stream	Unnamed	Perennial	Minor	No	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	7
	49.4	WAB059G	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	15
	49.5	WAB060	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP, OYS	N/A	0
	49.5	WAB055	Stream	Intracoastal Waterway	Perennial	Major	Yes	Yes	PCR, SCR, FWP, OYS	HDD - Intracoastal HDD	1188
	49.5	WAB055	Stream	Intracoastal Waterway	Perennial	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	HDD - Intracoastal HDD	14
	50.5	WAB035B	Stream	Calcasieu Ship Channel	Perennial	Major	Yes	Yes	PCR, SCR, FWP, OYS	HDD - Mud Lake HDD	3435

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	51.2	WAB036B	Stream	Unnamed	Perennial	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	HDD - Mud Lake HDD	13
	51.4	WAB036A	Lake	Turner Bay	Lake	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	2255
	51.9	WAB037	Lake	Unnamed	Lake	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	70
	52.0	WAB037	Lake	Unnamed	Lake	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	3073
	52.6	WAB038	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	247
	52.7	WAB038	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	49
	52.7	WAB038	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	13
	52.9	WAB038	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	87
	53.0	WAB039	Pond	Unnamed	Open Water	N/A	No	Yes	PCR, SCR, FWP, OYS	N/A	0
	53.1	WAB038	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	25
	53.2	WAB040	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	32
	53.2	WAB030C	Pond	Unnamed	Open Water	Major	No	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	123
	53.3	WAB030B	Pond	Unnamed	Open Water	N/A	No	No	PCR, SCR, FWP	N/A	0
	54.4	WAB002B	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, SCR, FWP	N/A	0
	54.5	WAB001	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	16
	54.4	WAB002B	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
	54.5	WAB002A	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	10
	55.6	WAB041	Lake	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	1807

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	56.5	WAB042	Lake	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	764
	56.9	WAB043	Lake	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	1261
	58.2	WAB019A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
	58.3	WAB019B	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	Open Cut	14
	58.4	WAB044B	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	58.4	WAB044A	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	58.7	WAB049	Ditch	Unnamed	Intermittent	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	19
	60.1	WAA007	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	312
	60.1	WAA007	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	71
	60.3	WAA009	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	33
	60.5	WAA010	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	12
	60.5	WAA010	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	106
	60.5	WAA010	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	24
	60.5	WAA010	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	36
	60.6	WAA010	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	149
	60.6	WAA011	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	61.0	WAA012	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	11
	61.0	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	295

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	61.1	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	397
	61.1	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	120
	61.2	WAA013	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	61.2	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	271
	61.2	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	104
	61.3	WAA012	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	135
	61.3	WAA012	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	99
	61.3	WAA015	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	159
	61.3	WAA015	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	97
	61.4	WAA015	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	68
	61.4	WAA016	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	30
	61.4	WAA016	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	136
	61.5	WAA018	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	358
	61.5	WAA018	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	513
	61.9	WAA019	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	23
	61.9	WAA019	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	171
	61.9	WAA019	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	1551
	62.3	WAA020	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	753

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	62.6	WAA021	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	170
	62.8	WAA022	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	35
	63.6	WAB045	Ditch	Unnamed	Intermittent	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	36
	64.2	WAB046	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	68
	64.3	WAB098	Stream	Intracoastal Waterway	Perennial	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	64.4	WAB047	Ditch	Unnamed	Intermittent	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	40
	65.3	WAA023	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	54
	65.5	WAA024	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	132
	65.6	WAA025	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	730
	65.8	WAA026	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	114
	65.9	WAA027	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	212
	66.1	WAA029	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	173
	66.3	WAA030	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	89
	67.3	WAA031	Stream	Unnamed	Perennial	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	26
	67.4	WAA032	Stream	Unnamed	Perennial	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	15
	67.7	WAA033	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	67.8	WAA034	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	0
	67.8	WAA036	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	60

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	67.9	WAA037	Stream	Unnamed	Perennial	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	890
	68.0	WAA038	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	45
	68.3	WAA040	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	873
	68.5	WAA043	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	59
	68.6	WAA044	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	172
	68.8	WAA047	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	1197
	69.1	WAA048	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	290
	69.3	WAA050	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	139
	69.4	WAA051	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	69.4	WAA053	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	217
	69.5	WAA055	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	20
	69.5	WAA056	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	63
	69.6	WAA057	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	177
	69.6	WAA058	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	109
	69.7	WAA059	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	56
	69.7	WAA061	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	69.7	WAA062	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	69.8	WAA063	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	28

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	69.8	WAA064	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	274
	69.9	WAA065	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	69.9	WAA066	Pond	Unnamed	Open Water	Majort	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	128
	70.0	WAA067	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	30
	70.0	WAA067	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	93
	70.1	WAA067	Pond	Unnamed	Open Water	Major	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	391
	70.2	WAA067	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	61
	70.2	WAA068	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	70.4	WAA069	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	70.4	WAA070	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	34
	70.4	WAA073	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	70.4	WAA072	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	70.6	WAA076	Pond	Unnamed	Open Water	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push - Open Cut	26
	70.7	WAA077	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	70.8	WAA078	Pond	Unnamed	Open Water	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
	71.0	WAA080	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	71.2	WAA082	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	67
	71.2	WAA084	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	71.2	WAA083	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	71.2	WAA085	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	71.4	WAA086	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	54
	71.7	WAB003B	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	610
	72.6	WAB003A	Pond	Unnamed	Open Water	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	49
	73.0	WAB004	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	24
	73.5	WAB008A	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	31
	73.9	WAB008B	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	16
	74.5	WAB009	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	17
	74.5	WAB010	Pond	Unnamed	Open Water	N/A	No	No	PCR, SCR, FWP	N/A	0
	74.7	WAB011	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	41
	74.8	WAB012	Pond	Unnamed	Open Water	N/A	No	No	PCR, SCR, FWP	N/A	0
	75.7	WAB013	Pond	Unnamed	Open Water	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	34
	75.8	WAB014	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	34
	76.2	WAB016	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	76.8	WAB017	Ditch	Unnamed	Intermittent	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	20
	78.1	WAB018A	Ditch	Unnamed	Intermittent	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	18
	78.1	WAB087	Ditch	Unnamed	Ephemeral	Minor	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	16

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	79.8	WAB031A	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	304
	80.1	WAB031B	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	20
	80.7	WAA500	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	310
	80.9	WAA501	Pond	Unnamed	Open Water	Major	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	211
	81.1	WAA502	Pond	Unnamed	Open Water	Intermediate	Yes	No	PCR, SCR, FWP	Marsh Push - Open Cut	39
	81.1	WAA504	Pond	Unnamed	Open Water	N/A	Yes	No	PCR, SCR, FWP	N/A	0
	83.6	WAB033A	Stream	Unnamed	Perennial	Intermediate	No	No	PCR, SCR, FWP	Marsh Push - Open Cut	84
	84.5	WAB034A	Ditch	Unnamed	Ephemeral	Intermediate	No	No	PCR, SCR, FWP	HDD - Marshall Street HDD	16
	84.5	WAB050	Stream	Unnamed	Perennial	Intermediate	Yes	No	PCR, SCR, FWP	HDD - Marshall Street HDD	39
	84.9	WAB052	Ditch	Unnamed	Intermittent	Intermediate	Yes	No	PCR, SCR, FWP, OYS	HDD - Terminal HDD	6
						CP Express Pipeline Total					***36,782***
						Enable Gulf Run Lateral					
	0.0	WAA131F	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Open But, Bore	6
	0.0	WAA133A	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Open Cut	4
	0.3	WAA133B	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	0.6	WAA146	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	24
	0.8	WAA145	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	32

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
	1.0	WAA103A	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
	1.0	WAA103B	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP	Open Cut	30
	1.6	WAA100	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	18
	1.6	WAA101	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	14
	1.6	WAA102	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	19
	2.2	WAA099	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	32
	2.4	WAA098A	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	20
	2.4	WAA097A	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	26
	2.5	WAA095B	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Bore	11
	2.5	WAA094A	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Bore	11
	2.6	WAA093	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	71
	2.9	WAA092	Stream	Unnamed	Perennial	Intermediate	No	Yes	PCR, SCR, FWP, AGR	Open Cut	21
	3.6	WAA179	Stream	Houston River	Perennial	Major	Yes	Yes	PCR, SCR, FWP, AGR	HDD - Houston River HDD	121
	4.9	WAA091	Stream	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP, AGR	N/A	0
	5.2	WAA090	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Bore	55
	5.2	WAA089	Stream	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Bore	16
	5.2	WAA088	Ditch	Unnamed	Intermittent	Intermediate	No	Yes	PCR, SCR, FWP	Bore	24
	5.9	WAA087B	Stream	Unnamed	Intermittent	Minor	No	Yes	PCR, SCR, FWP	Open Cut	10

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
				Enable Gulf Run Lateral Total							***566***
				PIPELINE SYSTEM SUBTOTAL							***37,348***
Access Roads											
CP Express Pipeline											
Permanent Access Roads											
PAR-JA-001	0.0	AWA202	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
PAR-JA-001	0.0	AWAA200	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
PAR-CL-110	31.3	NWI-0040	Waterbody	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-110	31.6	WAB065	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-110	32.0	WAB067	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-110	32.1	AWBA511	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-216.200	44.3	AWAA189	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-216.200	44.5	AWAA188	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
PAR-CL-289	53.2	WAB030C	Pond	Unnamed	Natural	N/A	Yes	Yes	PCR, SCR, FWP	N/A	0
Temporary Access Roads											
TAR-NE-013	8.2	AWAB092A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-013	8.5	AWAB091A	Ditch	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
TAR-NE-013	8.5	AWAB091B	Ditch	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	11.8	WAB077A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	11.8	WAB077B	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	11.8	WAB077C	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	11.9	AWAB077C	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	12.0	AWAB078B	Stream	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	12.0	AWAB078A	Stream	Unnamed	Intermittent	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	12.8	AAWAB079	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	13.5	AWAB081A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	13.6	AWAB081B	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-NE-020	13.7	AWBA503	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0
TAR-CL-035-01	23.7	AWAC008	Stream	Unnamed	Perennial	N/A	No	No	PCR, Minimal Aquatic Life Use	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
TAR-CL-043	24.9	AWAA175	Stream	Unnamed	Perennial	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CL-043	25.0	AWAA176	Ditch	Unnamed	Intermittent	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CL-043	25.2	AWAA165 B	Stream	Unnamed	Perennial	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CL-043	25.6	AWAA178	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-043	25.7	AWAA163	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-04	25.7	AWAA161	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-04	25.7	AWAA160	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-045	25.8	WAA158	Stream	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-073	26.6	WAA131B	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-073	26.8	WAA131C	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-079	27.1	WAA131E	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-100	29.6	AWBA508 A	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-100	29.6	AWBA508 B	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-199	42.3	NWI-0068	Waterbody	Unnamed	Perennial	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-275	49.5	WAB055	Stream	Intracoastal Waterway	Perennial	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
TAR-CM-003	56.2	AWAB085 A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-051	70.8	AWAB054 C	Ditch	Unnamed	Intermittent	N/A	Yes	Yes	PCR, SCR, FWP, OYS	N/A	0
TAR-CM-051	71.7	AWAB054 A	Ditch	Unnamed	Perennial	N/A	No	No	PCR, SCR, FWP, OYS	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
TAR-CM-092	76.4	AWAB015C	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-092	76.4	AWAB015D	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534F	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534E	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534D	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534C	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534B	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB534A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB533	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB532	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB530A	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-134	78.9	AWAB530B	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-136	80.5	AWAB515	Stream	Unnamed	Intermittent	N/A	No	No	PCR, SCR, FWP	N/A	0
TAR-CM-137	84.3	AWAB033C	Stream	Unnamed	Perennial	N/A	Yes	No	PCR, SCR, FWP	N/A	0
TAR-CM-139	84.6	AWAB034D	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
					CP Express Pipeline Total						***0***
Enable Gulf Run Lateral											
TAR-CL-029-E	2.4	WAA098B	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP, AGR	N/A	0
TAR-CL-029-E	2.4	WAA097B	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP, AGR	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
TAR-CL-023-E	2.8	AWAA105	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP, AGR	N/A	0
TAR-CL-023-E	2.9	AWAA104	Ditch	Unnamed	Ephemeral	N/A	No	Yes	PCR, SCR, FWP, AGR	N/A	0
TAR-CL-016-E	5.2	AWAA168	Ditch	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-016-E	5.5	AWAA167B	Stream	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
TAR-CL-016-E	5.5	AWAA167A	Stream	Unnamed	Intermittent	N/A	No	Yes	PCR, SCR, FWP	N/A	0
					Enable Gulf Run Lateral Total						***0***
					ACCESS ROADS TOTAL						***0***
Aboveground Facilities											
CP Express Pipeline											
Moss Lake Compressor Station	44.3	WAB084	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	Bore	9
MLV 5	53.2	WAB030C	Pond	Unnamed	Natural	Intermediate	Yes	Yes	PCR, SCR, FWP, OYS	Marsh Push – Open Cut	29
					CP Express Pipeline Total						***38***
Enable Gulf Run Lateral											
Enable Receiver and MLV 3	0.0	WAA131F	Ditch	Unnamed	Ephemeral	Minor	No	Yes	PCR, SCR, FWP	N/A	0
					Enable Gulf Run Lateral Total						***0***
Contractor Yards											
SP1 – West Road Contractor Yard	N/A	WAY001	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0
SP1 – West Road	N/A	WAY002	Ditch	Unnamed	Ephemeral	N/A	No	No	PCR, SCR, FWP	N/A	0

Appendix G
Waterbodies Crossed by the Pipeline System

Facility Type / Facility Name	Milepost	Unique ID	Feature Type	Waterbody Name	Flow Regime	FERC Classification [a]	RHA Section 10 Waters	CWA Section 303(d) Waters	State Water Quality Designated Use	Crossing Method [b]	Crossing Length (feet)
Contractor Yard Jonny Breaux Contractor Yard	N/A	WAY005	Ditch	Unnamed	Intermittent	N/A	No	No	PCR, SCR, FWP	N/A	0
					Contractor Yards Total						***0***
					PIPELINE SYSTEM TOTAL						**37,386**

PCR - Primary Contact Recreation
SCR - Secondary contact Recreation
FWP - Fish and Wildlife Propagation
OYS - Oyster Propagation
AGR - Agriculture
CWA - Clean Water Act
HDD - Horizontal Directional Drill
RHA - Rivers and Harbors Act

[a] N/A – Not applicable
[b] N/A - Not crossed by the pipeline centerline

Appendix H

ATWS Tables

List of Tables

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
CP EXPRESS PIPELINE					
Jasper County, TX					
ATWS-0483	0.0	Irregular Dimensions	North	<0.1	Access Road Point of Intersection (P.I.)
ATWS-0488	0.0	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0489	0.0	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0490	0.0	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0001	0.0	25 X 265	South	0.2	Foreign Pipeline & P.I.
ATWS-0002	0.0	25 X 256	North	0.1	Foreign Pipeline & P.I.
ATWS-0003	0.1	50 X 200	North	0.2	P.I. & Workspace Flop
ATWS-0004	0.1	15 X 200	South	0.1	P.I.
ATWS-0005	0.2	25 X 200	South	0.1	Road Crossing
ATWS-0006	0.5	45 X 200	South	0.2	Wetland
ATWS-0007	0.7	25 X 150	South	0.1	Road Crossing
ATWS-0008	1.2	25 X 150	South	0.1	Foreign Pipeline & Wetland
ATWS-0009	1.3	50 X 200	South	0.2	Wetland
ATWS-0010	1.5	50 X 250	South	0.3	Access Road & Wetland
ATWS-0011	1.9	25 X 200	South	0.1	Road Crossing
ATWS-0012	2.6	15 X 200	North	0.1	P.I.
ATWS-0013	2.6	15 X 200	South	0.1	P.I.
ATWS-0014	2.6	50 X 200	South	0.2	Wetland
ATWS-0015	3.7	25 X 566	South	0.3	P.I., Spread Flop & Overhead Powerline
ATWS-0016	3.8	50 X 156	North	0.2	P.I. & Waterbody
ATWS-0017	3.9	50 X 200	North	0.2	Waterbody
ATWS-0018	4.8	100 X 170	North	0.4	Access Road & Wetland
ATWS-0019	5.4	25 X 100	North	0.1	Waterbody
ATWS-0020	5.5	25 X 100	North	0.1	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0021	5.6	25 X 100	North	0.1	Waterbody
ATWS-0022	5.7	25 X 100	North	0.1	Waterbody
ATWS-0023	6.4	50 X 200	North	0.2	Spread Flop & P.I.
ATWS-0024	6.4	25 X 400	South	0.1	Spread Flop & P.I.
ATWS-0025	6.5	50 X 200	South	0.2	Wetland
ATWS-0026	6.7	75 X 300	South	0.5	Road & Railroad Crossing
ATWS-0027	6.8	25 X 200	North	0.1	Road & Railroad Crossing
ATWS-0028	6.8	75 X 200	South	0.3	Road & Railroad Crossing
ATWS-0029	6.8	25 X 200	North	0.1	Road & Railroad Crossing
ATWS-0030	6.9	15 X 100	South	<0.1	P.I.
ATWS-0031	6.9	15 X 200	North	0.1	P.I.
ATWS-0032	7.0	50 X 200	South	0.2	Wetland
ATWS-0033	7.2	50 X 200	South	0.2	P.I. & Waterbody & Workspace Flop
ATWS-0034	7.2	15 X 100	South	<0.1	P.I & Waterbody
ATWS-0035	7.3	50 X 303	North	0.3	P.I. & Waterbody
ATWS-0036	7.3	50 X 200	North	0.3	P.I. & Waterbody
ATWS-0037	7.5	75 X 200	North	0.3	P.I. & Road Crossing
ATWS-0038	7.5	25 X 200	South	0.1	P.I. & Road Crossing
Newton County, TX					
ATWS-0039	7.5	25 X 200	South	0.1	P.I. & Road Crossing
ATWS-0040	7.5	75 X 200	North	0.3	P.I. & Road Crossing
ATWS-0041	7.9	50 X 200	North	0.2	Wetland
ATWS-0042	8.0	15 X 200	North	0.1	P.I.
ATWS-0043	8.0	15 X 200	South	0.1	P.I.
ATWS-0487	8.2	Irregular Dimensions	South	<0.1	Access Road P.I.
ATWS-0044	8.2	15 X 200	North	0.1	P.I.

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0045	8.4	25 X 500	North	0.3	Foreign Pipeline
ATWS-0046	8.5	50 X 200	North	0.2	Access Road
ATWS-0047	8.8	50 X 200	North	0.2	Wetland
ATWS-0048	9.5	25 X 500	North	0.3	Road Crossing & Wetland
ATWS-0049	10.2	25 X 200	South	0.1	Pipeline Crossing
ATWS-0050	10.2	25 X 200	North	0.1	Pipeline Crossing
ATWS-0051	10.9	25 X 200	North	0.1	Road Crossing
ATWS-0052	11.8	25 X 500	South	0.3	Road Crossing, Foreign Pipeline & Wetland
ATWS-0053	11.8	50 X 300	North	0.3	Road Crossing, Foreign Pipeline & Wetland
ATWS-0054	12.4	25 X 200	North	0.1	Road Crossing & Foreign Pipeline
ATWS-0055	12.4	25 X 200	South	0.1	Road Crossing & Foreign Pipeline
ATWS-0056	13.2	50 X 200	North	0.2	Wetland
ATWS-0057	13.6	50 X 250	North	0.4	Wetland
ATWS-0479	13.6	15 x 240	South	0.1	P.I.
ATWS-0058	13.7	75 X 300	North	0.5	Road Crossing
ATWS-0059	13.8	50 X 185	North	0.2	Road Crossing
ATWS-0060	13.8	25 X 100	South	0.1	Road Crossing
ATWS-0061	14.2	25 X 300	North	0.2	Overhead Powerline
ATWS-0062	14.4	50 X 200	North	0.2	Wetland
ATWS-0063	14.7	50 X 225	North	0.2	P.I. & Workspace Flop & Wetland
ATWS-0462	15.0	25 x 250	North	0.1	Horizontal Direction Drill (HDD)
ATWS-0463	15.0	50 x 250	South	0.3	HDD
ATWS-0464	15.3	25 x 250	North	0.1	HDD
ATWS-0465	15.3	Irregular Dimensions	South	0.5	HDD
ATWS-0069	15.9	50 X 200	South	0.2	Road Crossing & P.I.
ATWS-0070	15.9	25 X 200	North	0.1	Road Crossing & P.I.

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0071	16.0	75 X 300	South	0.5	Road Crossing
ATWS-0072	16.2	15 X 200	South	0.1	P.I.
ATWS-0073	16.4	50 X 200	South	0.2	Access Road & P.I.
ATWS-0074	16.7	50 X 150	South	0.2	Wetland
ATWS-0075	17.1	Irregular Dimensions	South	0.3	Spread Flop & Wetland
ATWS-0076	17.2	25 X 250	North	0.1	P.I. & Workspace Flop & Overhead Powerline
ATWS-0077	17.3	25 X 382	North	0.2	Spread Flop & Wetland
ATWS-0078	17.4	75 X 300	North	0.5	Road & Railroad Crossing
ATWS-0079	17.5	25 X 200	South	0.1	Road & Railroad Crossing
ATWS-0080	17.5	25 X 300	South	0.2	Road & Railroad Crossing
ATWS-0081	17.5	75 X 117	North	0.1	Road & Railroad Crossing
ATWS-0082	17.6	25 X 200	North	0.1	P.I.
ATWS-0083	17.8	100 X 300	North	0.7	Road Crossing
ATWS-0084	17.8	75 X 250	North	0.6	Road Crossing & P.I.
ATWS-0085	18.0	50 X 400	North	0.5	Overhead Powerline
ATWS-0086	18.2	25 X 269	South	0.2	P.I. & Foreign Pipeline
ATWS-0087	18.6	15 X 100	North	<0.1	P.I.
ATWS-0088	18.6	50 X 200	South	0.2	P.I.
ATWS-0089	18.7	25 X 200	South	0.1	Waterbody
ATWS-0467	18.8	75 x 740	North	1.3	HDD
ATWS-0090	18.8	25 X 200	South	0.1	Waterbody
ATWS-0466	18.9	25 x 475	North	0.3	Spread Flop
ATWS-0469	19.0	25 x 125	South	0.1	Waterbody
ATWS-0468	19.0	25 x 300	North	0.2	Waterbody
ATWS-0470	19.1	25 x 125	South	0.1	Waterbody
ATWS-0471	19.1	25 x 200	South	0.1	Waterbody
ATWS-0472	19.1	25 x 250	North	0.1	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0095	19.3	25 X 200	South	0.1	Waterbody
ATWS-0096	19.3	25 X 200	North	0.1	Waterbody
ATWS-0097	19.4	25 X 300	South	0.2	Waterbody & Wetland
ATWS-0098	19.4	25 X 232	North	0.1	Waterbody & Wetland
ATWS-0099	19.4	25 X 303	South	0.2	Waterbody
ATWS-0100	19.6	25 X 150	North	0.1	Waterbody
ATWS-0101	19.6	25 X 150	South	0.1	Waterbody
ATWS-0102	19.6	25 X 200	South	0.1	Waterbody
ATWS-0103	19.6	25 X 150	North	0.1	Waterbody
ATWS-0104	19.7	25 X 150	North	0.1	Waterbody
ATWS-0105	19.7	25 X 200	South	0.1	Waterbody
ATWS-0106	19.9	25 X 250	South	0.1	HDD
ATWS-0107	19.9	75 X 250	North	0.4	HDD
Calcasieu Parish, LA					
ATWS-0108	21.1	75 X 350	North	0.6	HDD
ATWS-0109	21.1	25 X 350	South	0.2	HDD
ATWS-0110	21.5	25 X 200	South	0.1	Road Crossing
ATWS-0111	21.5	75 X 200	North	0.4	Road Crossing
ATWS-0112	21.6	25 X 200	South	0.1	Road Crossing
ATWS-0113	21.6	75 X 200	North	0.3	Road Crossing
ATWS-0114	21.9	50 X 200	North	0.2	Spread Flop
ATWS-0115	22.0	25 X 375	South	0.2	Spread Flop
ATWS-0116	22.3	50 X 300	South	0.3	Wetland
ATWS-0117	22.4	25 X 200	North	0.1	P.I.
ATWS-0118	23.0	25 X 125	South	0.1	P.I. & Spread Flop
ATWS-0119	23.1	50 X 150	North	0.2	Wetland
ATWS-0120	23.3	50 X 150	North	0.2	Waterbody
ATWS-0121	23.3	25 X 150	South	0.1	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0122	23.4	50 X 150	North	0.2	Waterbody
ATWS-0123	23.4	25 X 100	North	0.1	Road Crossing
ATWS-0124	23.5	75 X 172	North	0.3	Road Crossing
ATWS-0125	23.5	75 X 200	North	0.4	Road Crossing
ATWS-0126	23.5	25 X 200	South	0.1	Road Crossing
ATWS-0127	23.7	50 X 174	North	0.2	Access, Road & Waterbody Crossing
ATWS-0128	23.8	50 X 130	North	0.1	Waterbody
ATWS-0129	24.1	75 X 200	North	0.4	Access Road
ATWS-0130	24.2	25 X 150	North	0.1	Waterbody
ATWS-0131	24.2	25 X 150	North	0.1	Waterbody
ATWS-0132	24.5	50 X 150	North	0.2	Road & Waterbody Crossing
ATWS-0133	24.6	50 X 425	North	0.5	Foreign Pipeline
ATWS-0134	24.6	25 X 400	South	0.2	Foreign Pipeline
ATWS-0135	24.7	25 X 200	North	0.1	P.I.
ATWS-0136	24.8	25 X 125	North	0.1	Waterbody
ATWS-0137	24.8	25 X 125	South	0.1	Waterbody
ATWS-0138	24.9	25 X 125	South	0.1	Waterbody
ATWS-0139	24.9	25 X 125	North	0.1	Waterbody
ATWS-0140	25.2	25 X 150	North	0.1	Waterbody
ATWS-0141	25.2	25 X 150	South	0.1	Waterbody
ATWS-0142	25.2	25 X 150	North	0.1	Waterbody
ATWS-0143	25.2	25 X 372	South	0.2	Waterbody
ATWS-0144	25.3	25 X 150	North	0.1	Waterbody
ATWS-0145	25.3	25 X 150	South	0.1	Waterbody
ATWS-0146	25.3	25 X 155	North	0.1	Waterbody
ATWS-0147	25.4	50 X 200	North	0.3	Access Road
ATWS-0148	25.7	50 X 150	North	0.2	P.I.

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0149	25.8	50 X 200	South	0.2	Access Road & Waterbody
ATWS-0150	26.1	25 X 108	North	0.1	Waterbody
ATWS-0151	26.2	50 X 300	South	0.3	Construction Staging & Wetland
ATWS-0152	26.7	100 X 300	South	0.7	HDD
ATWS-0153	26.9	30 X 115	North	<0.1	Hydrostatic Water Source Access
ATWS-0154	26.9	Irregular Dimensions	South	0.1	Hydrostatic Water Source Access
ATWS-0155	26.9	30 X 115	North	<0.1	Hydrostatic Water Source Access
ATWS-0156	27.1	100 X 400	South	0.9	HDD
ATWS-0157	27.9	25 X 200	North	0.1	Road Crossing
ATWS-0158	27.9	75 X 200	South	0.4	Road Crossing
ATWS-0159	28.0	25 X 200	North	0.1	Road Crossing & Waterbody
ATWS-0160	28.0	75 X 200	South	0.3	Road Crossing & Waterbody
ATWS-0161	29.3	25 X 200	North	0.1	Access Road & Waterbody
ATWS-0162	29.3	50 X 200	South	0.2	Access Road & Waterbody
ATWS-0163	29.4	15 X 200	North	0.1	P.I.
ATWS-0164	29.3	25 X 175	South	0.1	P.I.
ATWS-0165	29.5	50 X 200	South	0.1	Access Road
ATWS-0166	29.5	50 X 200	South	0.1	Access Road
ATWS-0167	29.6	15 X 200	South	0.1	P.I.
ATWS-0168	29.6	15 X 200	North	0.1	P.I.
ATWS-0169	30.4	15 X 200	South	0.1	P.I.
ATWS-0170	30.4	15 X 200	North	0.1	P.I.
ATWS-0171	30.6	15 X 200	South	0.1	P.I.
ATWS-0172	30.6	15 X 200	North	0.1	P.I.
ATWS-0173	30.7	25 X 300	South	0.2	Foreign Pipeline
ATWS-0174	30.7	25 X 300	North	0.2	Foreign Pipeline

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0175	31.0	25 X 211	South	0.1	Foreign Pipeline
ATWS-0176	31.0	25 X 171	North	0.1	Foreign Pipeline
ATWS-0177	31.4	50 X 200	South	0.2	Wetland
ATWS-0178	31.6	50 X 200	South	0.2	Waterbody
ATWS-0179	31.6	30 X 100	North	0.1	Access Road
ATWS-0180	31.7	50 X 200	South	0.2	Waterbody
ATWS-0181	32.0	25 X 200	South	0.1	P.I.
ATWS-0182	32.1	50 X 400	North	0.5	HDD
ATWS-0183	32.1	Irregular Dimensions	South	1.5	HDD & Construction Staging
ATWS-0184	32.2	150 X 300	South	0.9	Spread Move-A-Round & Access
ATWS-0185	32.3	25 X 745	South	0.5	Access
ATWS-0186	32.4	75 X 244	South	0.4	HDD
ATWS-0187	32.4	25 X 250	North	0.1	HDD
ATWS-0188	32.9	50 X 128	South	0.1	Waterbody
ATWS-0189	32.9	50 X 200	South	0.2	Waterbody
ATWS-0190	33.3	25 X 200	South	0.1	Waterbody
ATWS-0191	33.4	25 X 200	South	0.1	Waterbody
ATWS-0192	33.5	75 X 400	South	0.7	HDD
ATWS-0193	33.5	25 X 400	North	0.2	HDD
ATWS-0194	34.0	75 X 400	South	0.7	HDD
ATWS-0195	34.0	25 X 400	North	0.2	HDD
ATWS-0196	34.4	25 X 200	North	0.1	Road Crossing
ATWS-0197	34.4	100 X 300	South	0.8	Spread Move-A-Round & Road Crossing
ATWS-0198	34.4	25 X 200	North	0.1	Spread Move-A-Round & Road Crossing
ATWS-0199	34.6	25 X 400	South	0.2	P.I.
ATWS-0200	35.2	25 X 500	South	0.3	Foreign Pipeline & Overhead Powerline

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0201	35.2	25 X 400	North	0.2	Foreign Pipeline & Overhead Powerline
ATWS-0202	35.2	15 X 238	South	0.1	P.I.
ATWS-0203	35.2	15 X 200	North	0.1	P.I.
ATWS-0204	35.3	50 X 188	North	0.2	Access Road & Wetland
ATWS-0205	35.4	15 X 200	South	0.1	P.I.
ATWS-0206	35.4	15 X 200	North	0.1	P.I.
ATWS-0207	36.0	50 X 100	South	0.1	Access Road
ATWS-0208	36.0	25 X 100	South	0.1	Access Road
ATWS-0209	36.1	25 X 200	North	0.1	P.I.
ATWS-0210	36.3	50 X 150	South	0.2	Wetland
ATWS-0211	36.4	25 X 200	North	0.1	Foreign Pipeline
ATWS-0212	36.4	25 X 300	South	0.2	Foreign Pipeline
ATWS-0213	36.4	25 X 200	North	0.1	Road Crossing
ATWS-0214	36.5	75 X 200	South	0.4	Road Crossing
ATWS-0215	36.5	25 X 200	North	0.1	Road Crossing
ATWS-0216	36.5	50 X 150	South	0.2	Road Crossing
ATWS-0217	36.6	15 X 200	North	0.1	P.I.
ATWS-0218	36.6	15 X 200	South	0.1	P.I.
ATWS-0219	36.8	25 X 150	South	0.1	Waterbody
ATWS-0220	36.9	50 X 200	South	0.2	Waterbody
ATWS-0221	37.2	25 X 350	South	0.2	P.I. & Foreign Pipeline
ATWS-0222	37.6	25 X 200	South	0.1	Road Crossing
ATWS-0223	37.7	50 X 150	South	0.2	Wetland
ATWS-0224	37.8	50 X 100	South	0.1	Wetland
ATWS-0225	38.0	50 X 150	South	0.2	Waterbody & Foreign Pipeline
ATWS-0226	38.0	50 X 150	South	0.2	Waterbody & Foreign Pipeline
ATWS-0227	38.7	75 X 200	South	0.3	Road Crossing

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0228	38.7	25 X 100	North	0.1	Road Crossing
ATWS-0229	38.7	75 X 200	South	0.3	Road Crossing
ATWS-0230	38.7	62 X 200	North	0.3	Road Crossing
ATWS-0231	38.8	25 X 300	North	0.2	Foreign Pipeline
ATWS-0232	38.8	25 X 300	South	0.2	Foreign Pipeline
ATWS-0233	39.3	25 X 150	North	0.1	Waterbody
ATWS-0234	39.3	25 X 150	North	0.1	Waterbody
ATWS-0235	39.3	50 X 150	South	0.2	Waterbody
ATWS-0236	39.6	25 X 200	South	0.1	P.I.
ATWS-0237	39.8	25 X 400	South	0.2	Foreign Pipeline
ATWS-0238	39.8	25 X 200	North	0.1	Foreign Pipeline
ATWS-0239	39.9	15 X 200	North	0.1	P.I.
ATWS-0240	39.9	15 X 200	South	0.1	P.I.
ATWS-0241	40.0	50 X 200	South	0.2	Waterbody
ATWS-0242	40.0	25 X 200	North	0.1	Waterbody
ATWS-0486	40.1	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0485	40.2	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0243	40.3	50 X 200	South	0.2	Access Road
ATWS-0244	40.4	25 X 150	North	0.1	Waterbody
ATWS-0245	40.4	50 X 150	South	0.2	Waterbody
ATWS-0246	40.6	25 X 100	South	0.1	Waterbody
ATWS-0247	40.6	25 X 100	North	0.1	Waterbody
ATWS-0248	40.6	25 X 100	South	0.1	Waterbody
ATWS-0249	40.7	25 X 100	North	0.1	Waterbody
ATWS-0250	41.0	25 X 100	North	0.1	Waterbody
ATWS-0251	41.0	25 X 100	North	0.1	Waterbody
ATWS-0252	41.0	25 X 100	South	0.1	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0253	41.4	25 X 300	South	0.2	Waterbody
ATWS-0254	41.4	25 X 300	North	0.2	Waterbody
ATWS-0255	41.5	Irregular Dimensions	South	1.4	Construction Staging Area
ATWS-0256	41.5	25 X 200	North	0.1	Road Crossing
ATWS-0257	41.6	50 x 150	South	0.2	Road Crossing
ATWS-0258	41.6	25 X 200	North	0.1	Road Crossing
ATWS-0259	41.7	25 X 250	North	0.1	HDD
ATWS-0260	41.7	75 X 250	South	0.4	HDD
ATWS-0261	42.1	25 X 250	North	0.1	HDD
ATWS-0262	42.1	75 X 250	South	0.4	HDD
ATWS-0482	42.3	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0263	42.3	50 X 200	South	0.2	Access Road
ATWS-0264	42.4	15 X 400	North	0.1	P.I., Foreign Pipeline & Overhead Powerline
ATWS-0265	42.4	25 X 600	South	0.4	P.I., Foreign Pipeline & Overhead Powerline
ATWS-0484	42.6	Irregular Dimensions	North	<0.1	Access Road P.I.
ATWS-0266	42.6	75 X 200	South	0.3	Road Crossing & Wetland
ATWS-0267	43.1	25 X 100	South	0.1	Field Road & Waterbody
ATWS-0268	43.1	25 X 100	North	0.1	Field Road & Waterbody
ATWS-0269	43.2	25 X 100	South	0.1	Field Road & Waterbody
ATWS-0270	43.2	25 X 100	North	0.1	Field Road & Waterbody
ATWS-0271	43.3	50 X 250	South	0.3	Spread Flop
ATWS-0272	43.3	25 X 285	North	0.2	Spread Flop
ATWS-0273	43.3	25 X 636	South	0.4	Spread Flop
ATWS-0274	43.4	75 X 200	North	0.4	Road Crossing
ATWS-0275	43.4	25 X 150	South	0.1	Road Crossing
ATWS-0276	43.4	50 X 100	North	0.1	Road Crossing

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0277	43.6	25 X 100	North	0.1	Waterbody
ATWS-0278	43.6	25 X 100	South	0.1	Waterbody
ATWS-0279	43.7	25 X 100	North	0.1	Waterbody
ATWS-0280	43.7	25 X 100	South	0.1	Waterbody
ATWS-0281	43.9	25 X 200	South	0.1	Road Crossing
ATWS-0282	43.9	50 X 200	North	0.2	Road Crossing
ATWS-0283	44.0	25 X 150	South	0.1	Waterbody
ATWS-0284	44.0	50 X 150	North	0.2	Waterbody
ATWS-0285	44.0	25 X 250	South	0.1	Waterbody & Road Crossing
ATWS-0286	44.2	25 X 215	North	0.1	P.I.
ATWS-0287	44.2	50 X 250	South	0.3	Road Crossing
ATWS-0498	44.5	385 x 10	South	0.1	Waterbody
ATWS-0288	44.5	130 X 187	South	<0.1	Waterbody
ATWS-0289	44.5	130 X 187	South	0.5	Waterbody
ATWS-0290	44.6	Irregular Dimensions	South	1.6	Wetland
ATWS-0291	44.8	25 X 200	South	0.1	P.I.
ATWS-0292	45.4	25 X 250	North	0.1	HDD
ATWS-0293	45.4	75 X 250	South	0.4	HDD
ATWS-0294	45.8	75 X 400	South	0.7	HDD
ATWS-0295	45.8	25 X 400	North	0.2	HDD
ATWS-0296	46.0	15 X 200	South	0.1	P.I.
ATWS-0297	46.0	15 X 200	North	0.1	P.I.
ATWS-0298	46.2	25 X 300	South	0.2	Foreign Pipeline
ATWS-0299	46.2	25 X 300	North	0.2	Foreign Pipeline
ATWS-0300	46.3	25 X 200	South	0.1	Overhead Powerline
ATWS-0301	46.3	25 X 500	North	0.3	Overhead Powerline
ATWS-0302	46.6	25 X 300	North	0.2	Foreign Pipeline

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0303	46.6	25 X 300	South	0.2	Foreign Pipeline
ATWS-0304	46.7	75 X 200	South	0.3	Access Road & Waterbody & Wetland
ATWS-0305	46.9	25 X 150	North	0.1	Waterbody
ATWS-0306	46.9	25 X 150	South	0.1	Waterbody
ATWS-0307	47.0	25 X 150	North	0.1	Waterbody
ATWS-0308	47.0	25 X 150	South	0.1	Waterbody
ATWS-0309	47.1	Irregular Dimensions	South	1.7	Construction Staging
ATWS-0310	47.4	25 X 300	South	0.2	Foreign Pipeline
ATWS-0311	47.5	50 X 200	South	0.2	Wetland
ATWS-0312	48.0	50 X 400	South	0.5	Spread Move-A-Round & Road Crossing
ATWS-0313	48.0	Irregular Dimensions	North	0.3	HDD & Construction Staging
ATWS-0314	48.0	Irregular Dimensions	North	0.7	HDD & Construction Staging
ATWS-0315	48.1	Irregular Dimensions	South	0.3	HDD
ATWS-0316	49.0	75 X 250	South	0.1	HDD
ATWS-0317	49.0	25 X 250	North	0.1	HDD
ATWS-0318	49.0	75 X 250	South	0.3	HDD
ATWS-0319	49.5	Irregular Dimensions	South	2.5	HDD
ATWS-0320	49.5	Irregular Dimensions	North	0.7	HDD
ATWS-0321	49.8	Irregular Dimensions	North	0.2	Hydrostatic Water Source Access
ATWS-0473	50.0	125 x 250	North	0.7	HDD
ATWS-0474	50.1	75 x 150	North	0.2	HDD
ATWS-0324	50.4	Irregular Dimensions	South	1.2	HDD
ATWS-0325	50.5	75 X 770	South	1.3	HDD
ATWS-0326	50.5	50 X 100	North	0.1	HDD

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0327	51.3	75 X 250	South	0.4	HDD
ATWS-0328	53.1	75 X 650	South	1.1	Push Construction Method
ATWS-0329	53.2	75 X 585	South	1.0	Road Crossing
ATWS-0330	54.4	50 X 150	South	0.2	Road Crossing
Cameron Parish, LA					
ATWS-0331	55.3	25 X 200	South	0.1	Access Road
ATWS-0332	55.3	25 X 200	South	0.1	Access Road
ATWS-0495	55.4	70 x 100	South	0.2	Foreign Pipeline
ATWS-0334	55.4	25 X 464	South	0.3	Access
ATWS-0475	55.4	25 x 1200	North	0.7	Push Construction Method
ATWS-0337	55.4	50 x 300	South	0.4	Push Construction Method
ATWS-0338	56.3	25 X 200	South	0.1	Access Road
ATWS-0339	56.3	25 X 200	South	<0.1	Access Road
ATWS-0340	57.5	Irregular Dimensions	South	1.4	Push Construction Method
ATWS-0341	57.8	50 X 200	South	0.2	Wetland
ATWS-0342	58.0	25 X 200	North	0.1	Foreign Pipeline
ATWS-0343	58.0	25 X 200	South	0.1	Foreign Pipeline
ATWS-0344	58.1	15 X 200	North	0.1	P.I.
ATWS-0345	58.1	15 X 200	South	0.1	P.I.
ATWS-0346	58.3	Irregular Dimensions	South	0.2	Road Crossing
ATWS-0347	58.3	50 X 150	South	0.2	Road Crossing
ATWS-0348	58.5	75 X 650	South	1.2	Push Location Method
ATWS-0349	58.7	25 X 1174	North	0.7	Waterbody
ATWS-0350	58.7	25 X 1262	South	0.7	Waterbody
ATWS-0351	59.0	25 X 800	North	0.5	Waterbody
ATWS-0352	59.0	25 X 800	South	0.5	Waterbody
ATWS-0353	59.4	25 X 800	South	0.5	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0354	59.4	25 X 800	North	0.5	Waterbody
ATWS-0355	60.2	25 X 800	South	0.5	Waterbody
ATWS-0356	60.2	25 X 800	North	0.5	Waterbody
ATWS-0357	60.3	50 X 800	South	0.9	Waterbody
ATWS-0358	60.3	50 X 800	North	0.9	Waterbody
ATWS-0359	60.5	25 X 657	South	0.4	Waterbody
ATWS-0360	62.8	50 X 500	South	0.6	Waterbody
ATWS-0361	62.9	25 X 400	South	0.2	Waterbody
ATWS-0362	62.9	25 X 400	North	0.2	Waterbody
ATWS-0363	63.0	50 X 500	South	0.6	Waterbody
ATWS-0364	63.0	50 X 500	North	0.6	Waterbody
ATWS-0365	63.1	75 X 1000	North	1.7	Push Construction Method
ATWS-0366	63.1	75 X 1000	South	1.7	Push Construction Method
ATWS-0367	63.3	50 X 500	South	0.6	Waterbody
ATWS-0368	63.3	50 X 500	North	0.6	Waterbody
ATWS-0369	63.4	25 X 500	North	0.3	Waterbody
ATWS-0370	63.4	25 X 500	South	0.3	Waterbody
ATWS-0371	63.5	50 X 1500	North	1.7	Waterbody
ATWS-0372	63.5	50 X 1500	South	1.7	Waterbody
ATWS-0373	63.8	25 X 1500	South	0.9	Waterbody
ATWS-0374	63.8	25 X 1500	North	0.9	Waterbody
ATWS-0375	64.0	50 X 500	South	0.6	Waterbody
ATWS-0376	64.0	50 X 500	North	0.6	Waterbody
ATWS-0377	64.2	75 X 1150	South	2.0	Push Construction Method
ATWS-0378	64.2	75 X 1134	North	2.0	Push Construction Method
ATWS-0379	64.3	25 X 696	North	0.4	Hydrostatic Water Source Access
ATWS-0380	64.3	100 X 100	North	0.2	Hydrostatic Water Source Access

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0476	64.3	50 x 700	North	0.8	Push Construction Method
ATWS-0477	64.3	50 x 700	South	0.8	Push Construction Method
ATWS-0478	64.5	25 x 500	East	0.3	Push Construction Method
ATWS-0381	65.2	25 X 350	North	0.2	Waterbody
ATWS-0382	65.2	25 X 350	South	0.2	Waterbody
ATWS-0383	65.3	50 X 700	South	0.8	Waterbody
ATWS-0384	65.3	50 X 700	North	0.8	Waterbody
ATWS-0385	65.4	25 X 500	North	0.3	Waterbody
ATWS-0386	65.4	25 X 500	South	0.3	Waterbody
ATWS-0389	65.6	50 X 1000	North	1.1	Waterbody
ATWS-0390	65.6	50 X 1000	South	1.1	Waterbody
ATWS-0391	65.7	25 X 300	South	0.2	Waterbody
ATWS-0392	65.7	25 X 300	North	0.2	Waterbody
ATWS-0393	66.2	25 X 800	North	0.5	Waterbody
ATWS-0394	66.2	25 X 800	South	0.5	Waterbody
ATWS-0395	67.4	25 X 1300	North	0.7	Waterbody
ATWS-0396	67.4	25 X 1300	South	0.7	Waterbody
ATWS-0397	68.2	25 X 4150	North	2.4	Waterbody
ATWS-0398	68.2	25 X 4150	South	2.4	Waterbody
ATWS-0399	69.7	25 x 300	South	0.2	Waterbody
ATWS-0400	69.7	25 x 300	North	0.2	Waterbody
ATWS-0401	69.8	50 x 600	South	0.7	Waterbody
ATWS-0402	69.8	50 x 600	North	0.7	Waterbody
ATWS-0403	69.9	25 x 300	North	0.2	Waterbody
ATWS-0404	69.9	25 x 300	South	0.2	Waterbody
ATWS-0494	70.0	25 x 550	West	0.3	Waterbody
ATWS-0493	70.1	50 x 300	West	0.3	Waterbody
ATWS-0496	70.2	60 x 510	East	0.7	Waterbody

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0497	70.2	85 x 510	West	1.0	Waterbody
ATWS-0491	70.2	50 x 300	West	0.3	Waterbody
ATWS-0492	70.3	25 x 500	West	0.3	Waterbody
ATWS-0405	70.5	75 X 700	North	0.6	Push Construction Method
ATWS-0406	70.5	50 X 400	North	0.2	Push Construction Method
ATWS-0407	70.5	Irregular Dimensions	North	0.1	Access Road
ATWS-0408	70.5	50 X 400	North	0.2	Push Construction Method
ATWS-0409	70.5	75 X 700	North	0.5	Push Construction Method
ATWS-0410	71.1	25 x 300	South	0.2	Waterbody
ATWS-0411	71.1	25 x 300	North	0.2	Waterbody
ATWS-0412	71.2	50 x 750	North	0.9	Waterbody
ATWS-0413	71.2	50 x 750	South	0.9	Waterbody
ATWS-0414	71.3	25 x 400	South	0.2	Waterbody
ATWS-0415	71.3	25 x 400	North	0.2	Waterbody
ATWS-0416	71.7	25 x 300	North	0.2	Waterbody
ATWS-0417	71.7	25 x 300	South	0.2	Waterbody
ATWS-0418	71.8	50 x 700	South	0.8	Foreign Pipeline
ATWS-0419	71.8	50 x 700	North	0.8	Foreign Pipeline
ATWS-0420	71.9	25 x 300	South	0.2	Waterbody
ATWS-0421	71.9	25 x 300	North	0.2	Waterbody
ATWS-0422	72.6	50 X 200	North	0.2	Road Crossing
ATWS-0423	72.7	50 X 200	North	0.2	Road Crossing & MLV
ATWS-0424	73.0	25 X 1000	North	0.6	Waterbody
ATWS-0425	73.0	25 X 1000	South	0.6	Waterbody
ATWS-0426	73.3	25 X 400	North	0.2	Foreign Pipeline
ATWS-0427	73.3	25 X 400	South	0.2	Foreign Pipeline
ATWS-0428	73.4	75 X 814	North	0.2	Push Construction Method & Access Road

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0429	73.4	75 X 814	South	1.3	Push Construction Method & Access Road
ATWS-0430	73.6	50 X 1108	South	1.3	Waterbody
ATWS-0431	76.3	Irregular Dimensions	South	0.2	Access Road
ATWS-0432	76.9	50 X 800	South	0.9	Waterbody
ATWS-0433	77.8	50 X 200	South	0.2	Access Road
ATWS-0434	77.8	25 X 355	South	0.2	Wetland
ATWS-0435	78.8	25 X 1300	South	0.5	Foreign Pipeline
ATWS-0436	78.8	25 X 1300	North	0.7	Foreign Pipeline
ATWS-0437	78.9	25 X 1300	South	0.2	Foreign Pipeline
ATWS-0438	79.8	25 X 200	North	0.1	Road Crossing
ATWS-0439	79.8	25 X 200	South	0.1	Road Crossing
ATWS-0440	81.1	25 X 200	South	0.1	Road Crossing
ATWS-0441	81.1	25 X 200	North	0.1	Road Crossing
ATWS-0480	81.1	25 x 100	North	0.1	Road Crossing
ATWS-0442	81.1	25 X 200	South	0.1	Road Crossing
ATWS-0444	83.3	Irregular Dimensions	North	0.4	Access Road
ATWS-0445	83.4	75 X 1130	South	1.9	Push Construction Method
ATWS-0446	83.5	25 X 500	South	0.3	Waterbody
ATWS-0447	83.7	50 X 1000	South	1.1	Waterbody
ATWS-0448	83.8	25 X 500	South	0.3	Waterbody
ATWS-0449	84.3	100 X 250	South	0.6	HDD
ATWS-0453	84.6	Irregular Dimensions	North	0.7	HDD
ATWS-0454	84.7	75 X 630	South	1.2	HDD
ATWS-0455	84.7	50 X 112	North	0.1	HDD
ATWS-0456	84.8	Irregular Dimensions	South	1.2	HDD
ATWS-0457	84.8	50 X 300	South	0.7	HDD

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS-0458	84.8	75 X 229	South	0.4	HDD
	CP Express Pipeline Subtotal			*151.7*	
ENABLE GULF RUN LATERAL					
Calcasieu Parish, LA					
ATWS_E0001	0.0	Irregular Dimensions	North	0.5	Construction Staging & Road Crossing
ATWS_E0002	0.0	Irregular Dimensions	West	0.5	Road Crossing & Waterbody
ATWS_E0003	0.3	15 X 200	West	0.1	P.I.
ATWS_E0004	0.4	15 X 100	East	<0.1	P.I.
ATWS_E0005	0.6	25 X 200	East	0.1	Waterbody
ATWS_E0006	0.6	25 X 200	West	0.1	Waterbody
ATWS__E0007	0.6	25 X 200	West	0.1	Waterbody
ATWS_E0008	0.6	25 X 200	East	0.1	Waterbody
ATWS_E0009	0.8	25 X 400	East	0.2	Foreign Pipeline
ATWS_E0010	0.8	50 X 377	West	0.4	Foreign Pipeline
ATWS_E0011	0.9	50 X 119	West	0.1	Wetland
ATWS_E0012	1.0	Irregular Dimensions	East	0.3	Access Road
ATWS_E0013	1.0	Irregular Dimensions	West	0.4	Waterbody
ATWS_E0014	1.0	15 X 75	East	<0.1	Waterbody
ATWS_E0015	1.1	Irregular Dimensions	West	0.3	Access Road & Waterbody
ATWS_E0016	1.1	15 X 215	East	0.1	Waterbody
ATWS_E0017	1.6	25 X 200	West	0.1	Waterbody
ATWS_E0018	1.6	15 X 150	East	0.1	Waterbody
ATWS_E0019	1.7	15 X 150	East	0.1	Waterbody
ATWS_E0020	1.7	50 X 150	West	0.2	Waterbody
ATWS_E0021	1.8	25 X 200	West	0.1	Road Crossing

Table H-1
Additional Temporary Workspace Locations and Dimensions

ATWS ID	Milepost	Dimensions (feet)	Direction from Centerline	Acres	Purpose
ATWS_E0022	2.1	75 X 300	West	0.5	Access Road
ATWS_E0023	2.2	25 X 200	West	0.1	Waterbody
ATWS_E0024	2.2	15 X 200	East	0.1	Waterbody
ATWS_E0025	2.3	25 X 200	West	0.1	Waterbody
ATWS_E0026	2.3	15 X 200	East	0.1	Waterbody
ATWS_E0027	2.3	10 X 200	East	<0.1	Waterbody
ATWS_E0028	2.3	25 X 180	West	0.1	Waterbody
ATWS_E0029	2.4	Irregular Dimensions	West	0.4	Road Crossing & Waterbody
ATWS_E0030	2.4	15 X 433	East	0.1	Road Crossing & Waterbody
ATWS_E0031	2.5	15 X 200	East	0.1	Road Crossing
ATWS_E0032	2.5	50 X 159	West	0.2	Road Crossing
ATWS_E0033	2.6	25 X 300	West	0.2	Waterbody
ATWS_E0034	2.6	15 X 100	East	<0.1	Waterbody
ATWS_E0035	2.9	25 X 150	West	0.1	Waterbody
ATWS_E0036	2.9	15 X 150	East	0.1	Waterbody
ATWS_E0037	3.1	15 X 200	East	0.1	Road Crossing
ATWS_E0038	3.1	25 X 200	West	0.1	Road Crossing
ATWS_E0039	3.2	50 X 200	West	0.2	Access Road & Foreign Pipeline
ATWS_E0040	3.2	25 X 300	East	0.2	Access Road & Foreign Pipeline
ATWS_E0041	3.3	75 X 200	West	0.3	Access Road & Foreign Pipeline
ATWS_E0042	3.5	Irregular Dimensions	East	0.3	HDD
ATWS_E0043	3.5	100 X 350	West	0.8	HDD
ATWS_E0044	4.4	15 X 250	East	0.1	HDD
ATWS_E0045	4.4	100 X 250	West	0.6	HDD
ATWS_E0046	4.8	75 X 150	West	0.3	Access Road
ATWS_E0047	5.2	75 X 200	West	0.3	Road Crossing & Railroad

Table H-1 Additional Temporary Workspace Locations and Dimensions					
ATWS ID	**Milepost**	**Dimensions (feet)**	**Direction from Centerline**	**Acres**	**Purpose**
ATWS_E0048	5.3	Irregular Dimensions	West	0.4	Road Crossing & Railroad
ATWS_E0049	5.3	25 X 134	East	0.1	Road Crossing & Railroad
ATWS_E0050	5.8	75 X 300	West	0.5	Wetland & Construction Staging
ATWS_E0051	5.8	62 x 100	East	0.1	Wetland
ATWS_E0052	6.0	15 X 200	East	0.1	P.I.
Enable Gulf Run Lateral Subtotal				***10.4***	
PROJECT TOTAL				**162.1**	

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
CP EXPRESS PIPELINE					
Jasper County					
0.0	ATWS-0483	31	Waterbody	AWAA203	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, Venture Global CP Express, LLC (CP Express) would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-0483	0	Waterbody	AWAA200	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-0483	9	Wetland	WEA312C	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0483	26	Wetland	WEA312A	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
0.0	ATWS-0488	17	Wetland	WEA312C	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0488	34	Wetland	WEA312D	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0488	0	Wetland	WEA312A	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0488	32	Wetland	WEA372B	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0488	31	Wetland	WEB372	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0489	30	Wetland	AWEA314	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0489	0	Wetland	AWEA310	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0489	22	Wetland	AWEA313B	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0490	32	Wetland	AWEA308	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0490	29	Wetland	AWEA316	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0490	16	Wetland	AWEA309	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0490	44	Wetland	AWEA315	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0001	0	Wetland	WEB372	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline point of inflection/intersection (P.I.). In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
0.0	ATWS-0001	0	Wetland	WEB370	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0001	0	Wetland	WEB373	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0001	0	Wetland	WEB374	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0002	0	Wetland	WEB372	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0002	0	Wetland	WEB370	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0002	0	Wetland	WEB373	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-0002	6	Wetland	WEB374	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.1	ATWS-0003	0	Wetland	WEB374	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and workspace flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.1	ATWS-0003	0	Wetland	WEB375	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and workspace flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.1	ATWS-0004	0	Wetland	WEB375	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.1	ATWS-0004	0	Wetland	WEB377	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.1	ATWS-0004	7	Wetland	WEB378	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.2	ATWS-0005	0	Wetland	WEB378	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.2	ATWS-0005	19	Wetland	WEB380	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.2	ATWS-0005	0	Wetland	WEB381	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.2	ATWS-0008	0	Wetland	WEA282	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a foreign pipeline crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.2	ATWS-0008	0	Wetland	WEA277	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a foreign pipeline crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.2	ATWS-0008	0	Wetland	WEA283	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a foreign pipeline crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.5	ATWS-0010	0	Wetland	WEA284	ATWS is necessary to provide sufficient space for an access road and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.5	ATWS-0010	28	Wetland	WEA270A	ATWS is necessary to provide sufficient space for an access road and wetland crossing. In order to minimize wetland impacts, CP

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.9	ATWS-0011	0	Wetland	WEA270A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.9	ATWS-0011	24	Wetland	WEA269C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.9	ATWS-0011	0	Wetland	WEA269B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.7	ATWS-0015	0	Wetland	WEA293B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize wetland impacts, CP

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.7	ATWS-0015	0	Wetland	WEA292B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.7	ATWS-0015	0	Waterbody	WAA198	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
3.7	ATWS-0015	0	Wetland	WEA292A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.7	ATWS-0015	10	Wetland	WEA292C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop,

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					and overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.7	ATWS-0015	38	Waterbody	WAB086	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
3.8	ATWS-0016	0	Wetland	WEA292C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. ATWS required for Reverse Lay, multiple waterbody crossings, field road and tie-in location There is no available upland within 0.5 mile of this location in which to move the ATWS. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.9	ATWS-0017	0	Wetland	WEB394	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for wetland staging area, multiple waterbody crossings, and field road. There is no available upland within 0.5 mile of this location in which to move the ATWS. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.9	ATWS-0017	0	Wetland	WEB390	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for wetland staging area, multiple waterbody crossings, and field road. There is no available upland within 0.5 mile of this location in which to move the ATWS. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.9	ATWS-0017	0	Wetland	WEB391	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for wetland staging area, multiple waterbody crossings, and field road. There is no available upland within 0.5 mile of this location in which to move the ATWS. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
4.8	ATWS-0018	18	Wetland	WEA264	ATWS is necessary to provide sufficient space for an access road and wetland crossing. Wetland ATWS setback not feasible in this location due to limited upland space between two wetlands. CP Express has utilized existing upland between two extensive wetlands for staging area and access road turn-around. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
4.8	ATWS-0018	10	Wetland	WEA262	ATWS is necessary to provide sufficient space for an access road and wetland crossing. Wetland ATWS setback not feasible in this location due to limited upland space between two wetlands. CP Express has utilized existing upland between two extensive wetlands for staging area and access road turn-around. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.4	ATWS-0019	0	Wetland	WEA325	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.5	ATWS-0020	0	Wetland	WEA326B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.6	ATWS-0021	0	Wetland	WEA326B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.7	ATWS-0022	0	Wetland	WEA327B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.4	ATWS-0023	40	Wetland	WEA226	ATWS is necessary to provide sufficient space to safely accommodate a spread flop and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.4	ATWS-0023	5	Wetland	WEA226A	ATWS is necessary to provide sufficient space to safely accommodate a spread flop and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
6.4	ATWS-0024	0	Wetland	WEA228	ATWS is necessary to provide sufficient space to safely accommodate a spread flop and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.4	ATWS-0024	44	Wetland	WEA226A	ATWS is necessary to provide sufficient space to safely accommodate a spread flop and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.5	ATWS-0025	10	Wetland	WEA228	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.5	ATWS-0025	7	Wetland	WEA226A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
6.7	ATWS-0026	0	Wetland	WEA226A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.7	ATWS-0026	12	Wetland	WEB422	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.7	ATWS-0026	13	Wetland	WEB440	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.7	ATWS-0026	44	Wetland	WEB441	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.7	ATWS-0026	22	Waterbody	WAB090B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
6.7	ATWS-0026	31	Waterbody	WAB090A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
6.8	ATWS-0027	0	Wetland	WEA226A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.8	ATWS-0027	1	Wetland	WEB440	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
6.8	ATWS-0027	21	Waterbody	WAB090B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
6.8	ATWS-0029	12	Wetland	WEA250	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.9	ATWS-0030	50	Wetland	WEA249	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.2	ATWS-0033	0	Wetland	WEA245	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I., waterbody crossing, and workspace flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
7.2	ATWS-0034	0	Wetland	WEA245	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.3	ATWS-0035	0	Wetland	WEA245	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.3	ATWS-0035	16	Waterbody	WAA195	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.4	ATWS-0036	22	Waterbody	WAA195	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
7.4	ATWS-0036	0	Wetland	WEA242A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.4	ATWS-0036	0	Wetland	WEA242B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a pipeline P.I. and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.5	ATWS-0037	32	Wetland	WEA241	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.5	ATWS-0037	0	Wetland	WEA238	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.5	ATWS-0037	0	Wetland	WEA239	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
7.5	ATWS-0037	0	Waterbody	WAA192	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0037	36	Waterbody	WAA191	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0037	46	Wetland	WEA237	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
7.5	ATWS-0038	4	Waterbody	WAA192	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0038	34	Waterbody	WAA191	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0039	48	Waterbody	WAA192	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
Newton County					
7.5	ATWS-0039	0	Waterbody	WAA191	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0040	46	Waterbody	WAA192	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0040	0	Waterbody	WAA191	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
7.5	ATWS-0040	0	Wetland	WEA237	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.0	ATWS-0042	46	Waterbody	WAA196	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
8.0	ATWS-0042	46	Wetland	WEA244	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.2	ATWS-0487	23	Waterbody	AWEB434	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
8.2	ATWS-0487	23	Waterbody	AWAB092A	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
8.2	ATWS-0487	0	Waterbody	AWAB092B	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
8.2	ATWS-0487	0	Wetland	AWEB450	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
8.2	ATWS-0044	35	Wetland	WEA329A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.2	ATWS-0044	0	Wetland	WEA329B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.4	ATWS-0045	0	Wetland	WEA331	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.4	ATWS-0045	0	Wetland	WEA332	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.4	ATWS-0045	0	Wetland	WEA333	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.4	ATWS-0045	0	Wetland	WEA334	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
8.4	ATWS-0045	0	Wetland	WEA335B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
9.5	ATWS-0048	39	Wetland	WEB274	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction,

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.3	ATWS-0049	7	Wetland	WEB270	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.2	ATWS-0049	0	Wetland	WEB273	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.2	ATWS-0049	0	Wetland	WEB269	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.2	ATWS-0050	0	Wetland	WEB270	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.9	ATWS-0051	0	Wetland	WEB258	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
10.9	ATWS-0051	0	Wetland	WEB257	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	30	Wetland	WEA203	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	30	Wetland	WEA204	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	24	Waterbody	WAA180	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
11.8	ATWS-0052	17	Wetland	WEA202	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	17	Wetland	WEB242	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	13	Waterbody	WAB077A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
11.8	ATWS-0052	2	Wetland	WEB235	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	0	Wetland	WEB243	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0052	0	Wetland	WEB241	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0053	29	Wetland	WEB333	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0053	17	Waterbody	WAB077B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
11.8	ATWS-0053	0	Wetland	WEB243	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
11.8	ATWS-0053	0	Waterbody	WAB077A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing, foreign pipeline crossing, and wetland crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
11.8	ATWS-0053	0	Wetland	WEB235	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing, foreign pipeline crossing, and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
12.4	ATWS-0054	0	Wetland	WEB235	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
12.4	ATWS-0055	0	Wetland	WEB238	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
12.4	ATWS-0055	6	Wetland	WEB235	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore wetland contours to pre-construction conditions to facilitate revegetation.
12.4	ATWS-0055	4	Wetland	WEB237	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.6	ATWS-0057	24	Wetland	WEB220	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.6	ATWS-0479	50	Wetland	WEB219	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.6	ATWS-0479	24	Wetland	WEB218	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.7	ATWS-0058	14	Waterbody	WAB072A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
13.8	ATWS-0059	21	Waterbody	WAB071B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
13.8	ATWS-0059	0	Wetland	WEB211	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.8	ATWS-0059	8	Waterbody	WAB070	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
13.8	ATWS-0059	18	Wetland	WEB210	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
13.8	ATWS-0060	35	Waterbody	WAB071A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
13.8	ATWS-0060	21	Waterbody	WAB071B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
13.8	ATWS-0060	18	Wetland	WEB215	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
13.8	ATWS-0060	40	Wetland	WEB210	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
14.2	ATWS-0061	0	Wetland	WEB201	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
14.2	ATWS-0061	21	Wetland	WEB200	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0069	16	Wetland	WEA259	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
15.3	ATWS-0065	50	Wetland	WED108	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0069	19	Wetland	WEA256	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0069	0	Wetland	WEA258D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0070	6	Wetland	WEA259	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
15.9	ATWS-0070	0	Wetland	WEA258D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0070	0	Wetland	WEA258D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0070	0	Wetland	WEA258C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
15.9	ATWS-0070	0	Wetland	WEA257	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
16.0	ATWS-0071	23	Wetland	WEA253	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
16.0	ATWS-0071	0	Wetland	WEA251	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
16.0	ATWS-0071	0	Wetland	WEA251	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
16.0	ATWS-0071	13	Wetland	WEA252	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
16.0	ATWS-0071	13	Wetland	WEA255	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
16.4	ATWS-0073	0	Wetland	WEB412	ATWS is necessary to provide sufficient space for an access road and to accommodate a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.2	ATWS-0076	23	Wetland	WEA218	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I., spread flop, and overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.5	ATWS-0079	0	Wetland	WEA217B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
17.5	ATWS-0079	0	Waterbody	WAA185	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.5	ATWS-0079	3	Waterbody	WAA184B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.5	ATWS-0080	42	Waterbody	WAA184B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.5	ATWS-0080	0	Waterbody	WAA183	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.5	ATWS-0080	0	Wetland	WEA215	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.5	ATWS-0080	0	Wetland	WEA216	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.5	ATWS-0081	0	Wetland	WEA216	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.5	ATWS-0081	0	Wetland	WEA213	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road and railroad crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.6	ATWS-0082	0	Wetland	WEA212	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
17.8	ATWS-0083	32	Waterbody	WAA181A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.8	ATWS-0083	0	Waterbody	WAA182	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.8	ATWS-0084	0	Waterbody	WAA181A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
17.8	ATWS-0084	0	Wetland	WEA210	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
17.8	ATWS-0084	30	Waterbody	WAA182	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.0	ATWS-0085	0	Wetland	WEA210	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.0	ATWS-0085	0	Wetland	WEB444	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.0	ATWS-0085	0	Waterbody	WAB088	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.0	ATWS-0085	0	Wetland	WEB419	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.0	ATWS-0085	0	Wetland	WEB418	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.2	ATWS-0086	0	Wetland	WEB418	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.2	ATWS-0086	0	Wetland	WEB417	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.2	ATWS-0086	0	Wetland	WEB416	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and foreign

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.6	ATWS-0088	32	Wetland	WEB423	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.7	ATWS-0089	0	Wetland	WEB423	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.7	ATWS-0467	26	Waterbody	WAB101	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.7	ATWS-0467	0	Wetland	WEB427E	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.7	ATWS-0467	0	Waterbody	WAB100	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.7	ATWS-0467	0	Wetland	WEB4247D	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.7	ATWS-0467	0	Wetland	WEB431	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.8	ATWS-0090	0	Wetland	WEB424	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
18.8	ATWS-0090	50	Waterbody	WAB096	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.8	ATWS-0090	0	Waterbody	WEB424	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
18.9	ATWS-0466	0	Wetland	WEB431	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.
18.9	ATWS-0466	0	Wetland	WEB427D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre- construction conditions to facilitate revegetation.
18.9	ATWS-0466	14	Wetland	WEB424	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.
19.0	ATWS-0468	0	Wetland	WEB427C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.0	ATWS-0469	0	Wetland	WEB431	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.
19.0	ATWS-0469	0	Wetland	WEB431	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre- construction conditions to facilitate revegetation.
19.0	ATWS-0470	0	Wetland	WEB430	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.0	ATWS-0470	0	Wetland	WEB427B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.1	ATWS-0471	50	Waterbody	WAB095	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
19.1	ATWS-0471	0	Wetland	WEB429	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.0	ATWS-0471	0	Wetland	WEB427A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.3	ATWS-0095	0	Wetland	WEB427A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.3	ATWS-0095	0	Wetland	WEB429	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.3	ATWS-0096	0	Wetland	WEB427A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.3	ATWS-0096	50	Wetland	WAB075G	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.4	ATWS_0097	0	Wetland	WEB276B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.4	ATWS-0097	0	Wetland	WEB288	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
19.4	ATWS-0098	33	Waterbody	WAB075G	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing and wetland crossing In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
19.4	ATWS-0098	0	Wetland	WEB276B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing and wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.5	ATWS-0099	2	Wetland	WEB278	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.4	ATWS-0099	0	Wetland	WEB289	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0100	0	Wetland	WEB280	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0101	1	Wetland	WEB280	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0101	0	Wetland	WEB291	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0102	0	Wetland	WEB291	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0102	0	Wetland	WEB280	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.6	ATWS-0103	0	Wetland	WEB280	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.7	ATWS-0104	0	Wetland	WEB282	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.7	ATWS-0105	0	Wetland	WEB293	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.7	ATWS-0105	0	Wetland	WEB282	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.9	ATWS-0106	0	Wetland	WEB282	ATWS is necessary to provide sufficient space to complete a horizontal directional drill (HDD) crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
19.9	ATWS-0106	0	Wetland	WEB293	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
19.9	ATWS-0107	0	Wetland	WEB282	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
Calcasieu Parish					
22.0	ATWS-0115	7	Wetland	WEA172A	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
22.4	ATWS-0117	0	Wetland	WEA166	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
22.4	ATWS-0117	0	Wetland	WEA171	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
23.0	ATWS-0118	0	Wetland	WEA169A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. and spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
23.5	ATWS-0124	4	Waterbody	WAC004	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.5	ATWS-0125	6	Waterbody	WAC005	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.5	ATWS-0126	3	Waterbody	WAC005	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.7	ATWS-0127	0	Wetland	WEC003A	ATWS is necessary to provide sufficient space for access and a road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
23.7	ATWS-0127	0	Waterbody	WAC007	ATWS is necessary to provide sufficient space for an access road, road crossing, and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.7	ATWS-0127	38	Waterbody	WAC008	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.8	ATWS-0128	42	Waterbody	WAC008	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
23.8	ATWS-0128	0	Wetland	WEC004A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
24.1	ATWS-0129	15	Wetland	WEC005D	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.1	ATWS-0129	0	Wetland	WEC006A	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.2	ATWS-0130	0	Wetland	WEC006A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.2	ATWS-0131	0	Wetland	WEC007A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
24.3	ATWS-0131	7	Wetland	WEC007E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.5	ATWS-0132	43	Waterbody	WAC024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
24.5	ATWS-0132	0	Wetland	WEC009A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0133	0	Wetland	WEC009A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0133	0	Wetland	WEC009B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0133	0	Wetland	WEC009C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0133	0	Wetland	WEC009D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0133	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	1	Wetland	WEC009A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	0	Wetland	WEC009B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	0	Wetland	WEC009C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	0	Wetland	WEC009D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	0	Wetland	WEC009D	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.6	ATWS-0134	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.7	ATWS-0135	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.8	ATWS-0136	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
24.8	ATWS-0137	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.8	ATWS-0137	0	Wetland	WEC009E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.9	ATWS-0138	0	Wetland	WEC010A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
24.9	ATWS-0139	0	Wetland	WEC010A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0140	0	Wetland	WEC010A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0140	20	Wetland	WEC010B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0141	0	Wetland	WEC010A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0141	18	Wetland	WEC010B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0142	0	Wetland	WEC011	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0143	0	Wetland	WEC011	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.2	ATWS-0143	0	Wetland	WEC011	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0144	0	Wetland	WEC011	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0145	0	Wetland	WEC012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0145	25	Wetland	AWEC012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0145	24	Wetland	WEC013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0145	34	Waterbody	AWAA164A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
25.3	ATWS-0145	28	Wetland	AWEC013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0145	31	Waterbody	WAC029	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
25.3	ATWS-0145	41	Wetland	WEA151	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.3	ATWS-0146	0	Wetland	WEC012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.4	ATWS-0147	0	Wetland	WEC012	ATWS is necessary to provide sufficient space for an access road In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.4	ATWS-0147	16	Wetland	WEC013	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.4	ATWS-0147	28	Waterbody	WAC029	ATWS is necessary to provide sufficient space for an access road. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
25.4	ATWS-0147	43	Wetland	WEA151	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.7	ATWS-0148	0	Wetland	WEA151	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.8	ATWS-0149	0	Wetland	WEA149A	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.8	ATWS-0149	0	Wetland	WEA148	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
25.8	ATWS-0149	0	Wetland	WEA147	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
26.1	ATWS-0150	43	Waterbody	WAA153	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.7	ATWS-0152	0	Wetland	WEA141	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
26.7	ATWS-0152	0	Wetland	WEA140	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
26.9	ATWS-0153	3	Waterbody	WAA147	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.9	ATWS-0153	8	Waterbody	WAA131C	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.9	ATWS-0154	1	Waterbody	WAA147	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.9	ATWS-0154	35	Waterbody	WAA149	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.9	ATWS-0155	6	Waterbody	WAA131D	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
26.9	ATWS-0155	29	Waterbody	WAA147	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
27.1	ATWS-0156	0	Wetland	WEA139	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
28.0	ATWS-0159	0	NWI	NWI-0027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
28.0	ATWS-0160	0	NWI	NWI-0027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
29.3	ATWS-0161	47	Waterbody	WAA186	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
29.3	ATWS-0162	48	Waterbody	WAA186	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
29.4	ATWS-0163	0	Wetland	WEA221	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
29.3	ATWS-0164	0	Wetland	WEA221	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
29.3	ATWS-0164	9	Waterbody	WAA186	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
31.6	ATWS-0178	0	Wetland	WEB189	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
31.6	ATWS-0179	0	Wetland	WEB189	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
31.6	ATWS-0179	0	Waterbody	WAB065	ATWS is necessary to provide sufficient space for an access road. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
31.7	ATWS-0180	0	Wetland	WEB190	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.0	ATWS-0181	0	Wetland	WEB193	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
32.0	ATWS-0181	40	Waterbody	WAB068	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
32.0	ATWS-0181	15	Wetland	WEB191	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.0	ATWS-0181	27	Waterbody	WAB067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
32.1	ATWS-0183	0	Wetland	WEB196	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. ATWS is required for HDD installation and needs to abut existing access road to allow logistics for support during construction. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
32.1	ATWS-0183	1	Wetland	WEB197	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. ATWS is required for HDD installation and needs to abut existing access road to allow logistics for support during construction. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.1	ATWS-0183	18	Waterbody	WAB067	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. ATWS is required for HDD installation and needs to abut existing access road to allow logistics for support during construction. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
32.2	ATWS-0184	0	Wetland	WEB186	ATWS is necessary to provide sufficient space to safely accommodate a spread move-a-round and to provide access. ATWS is required to abut public road to provide access and move-around staging area(s) for both the US 90 HDD and the I-10 HDD. Limited irregular upland area is insufficient with ATWS setbacks. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.2	ATWS-0184	0	Wetland	WEB185	ATWS is necessary to provide sufficient space to safely accommodate a spread move-a-round and to provide access. ATWS is required to abut public road to provide access and move-around

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					staging area(s) for both the US 90 HDD and the I-10 HDD. Limited irregular upland area is insufficient with ATWS setbacks. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.2	ATWS-0184	25	Wetland	WEB183	ATWS is necessary to provide sufficient space to safely accommodate a spread move-a-round and to provide access. ATWS is required to abut public road to provide access and move-around staging area(s) for both the US 90 HDD and the I-10 HDD. Limited irregular upland area is insufficient with ATWS setbacks. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.3	ATWS-0185	0	Wetland	WEB183	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.3	ATWS-0185	0	Wetland	WEB183	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
32.3	ATWS-0185	34	Wetland	WEB187	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.4	ATWS-0186	0	Wetland	WEB183	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.4	ATWS-0186	43	Wetland	WEB184	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.Procedures to avoid and/or minimize impacts on the wetland.
32.4	ATWS-0187	0	Wetland	WEB183	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
32.4	ATWS-0187	0	Wetland	WEB183	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.4	ATWS-0187	0	Wetland	WEB183	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
32.4	ATWS-0187	21	Waterbody	WAB064	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
33.3	ATWS-0190	50	NWI	NWI-0046	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
34.6	ATWS-0199	0	NWI	NWI-0053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing..
36.5	ATWS-0215	0	Waterbody	WAA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
36.5	ATWS-0215	0	Wetland	WEA100	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
36.5	ATWS-0216	0	Waterbody	WAA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
36.5	ATWS-0216	0	Wetland	WEA100	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
36.6	ATWS-0217	0	Wetland	WEA100	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
36.6	ATWS-0218	0	Wetland	WEA100	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
36.8	ATWS-0219	0	Wetland	WEA100	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
37.8	ATWS-0224	21	Wetland	WEA104	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.0	ATWS-0225	0	Wetland	WEA104	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing and foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.7	ATWS-0229	0	Wetland	WEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.7	ATWS-0230	0	Wetland	WEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.8	ATWS-0231	0	Wetland	WEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.8	ATWS-0231	31	Wetland	AWEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
38.8	ATWS-0232	0	Wetland	WEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
39.3	ATWS-0233	15	Waterbody	WAA119A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
39.3	ATWS-0233	35	Wetland	WEA105	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
39.3	ATWS-0234	5	Waterbody	WAA119A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
39.3	ATWS-0235	50	Waterbody	WAA119A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
40.1	ATWS-0486	24	Waterbody	AWAA120C	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
40.1	ATWS-0486	24	Waterbody	AWAA122	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
40.1	ATWS-0486	0	Waterbody	AWAA123	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
40.1	ATWS-0486	0	Wetland	AWEA109A	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.2	ATWS-0485	0	Waterbody	AWAA124A	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
40.3	ATWS-0243	0	Wetland	WEA106	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.4	ATWS-0244	0	Wetland	WEA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.4	ATWS-0245	0	Wetland	WEA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.6	ATWS-0246	0	Wetland	WEA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.6	ATWS-0247	0	Wetland	WEA110	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.6	ATWS-0248	0	Wetland	WEA111A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
40.7	ATWS-0249	0	Wetland	WEA111A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
41.0	ATWS-0250	0	Wetland	WEA112A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
41.0	ATWS-0251	0	Wetland	WEA111B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
41.0	ATWS-0252	0	Wetland	WEA111B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
41.0	ATWS-0252	38	Wetland	WEA111B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
41.5	ATWS-0255	6	Waterbody	WAA128B	ATWS is necessary to provide sufficient space for a construction staging area. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
41.5	ATWS-0256	6	Waterbody	WAA128B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
41.6	ATWS-0257	47	Waterbody	WAA128B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
41.6	ATWS-0258	49	Waterbody	WAA128B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
41.7	ATWS-0259	0	NWI	NWI-0061	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
41.7	ATWS-0260	5	NWI	NWI-0061	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
42.3	ATWS-0482	35	Wetland	NWI-0068	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.1	ATWS-0267	0	Wetland	WEA119	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a field road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.1	ATWS-0268	0	Wetland	WEA119	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a field road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.1	ATWS-0268	0	Wetland	WEA119	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a field road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.2	ATWS-0269	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a field road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.2	ATWS-0270	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a field road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0271	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0272	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0272	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0272	3	Waterbody	WAA139	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
43.3	ATWS-0273	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0273	0	Wetland	WEA120	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.3	ATWS-0273	0	Waterbody	WAA139	ATWS is necessary to provide sufficient space to safely accommodate a spread flop. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
43.4	ATWS-0276	0	Wetland	WEA121	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.6	ATWS-0277	0	Wetland	WEA122	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.6	ATWS-0278	0	Wetland	WEA122	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.7	ATWS-0279	0	Wetland	WEA123	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
43.7	ATWS-0280	0	Wetland	WEA123	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.2	ATWS-0286	46	Wetland	WEA126	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.2	ATWS-0286	0	Wetland	WEA127	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.2	ATWS-0286	0	Wetland	WEA127	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.2	ATWS-0287	0	Wetland	WEA127	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.2	ATWS-0287	0	Wetland	WEA130B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.5	ATWS-0288	0	Wetland	WEB368	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.5	ATWS-0288	43	Waterbody	WAA187	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
44.5	ATWS-0289	0	Wetland	WEB368	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.5	ATWS-0289	0	Waterbody	WAA187	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
44.8	ATWS-0291	0	Wetland	WEB055B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.8	ATWS-0291	0	Wetland	WEB055C	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
44.8	ATWS-0291	27	Wetland	WEB055A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
45.4	ATWS-0292	0	Wetland	WEB054	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
45.4	ATWS-0293	0	Wetland	WEB054	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
45.8	ATWS-0294	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
45.8	ATWS-0295	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.0	ATWS-0296	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.0	ATWS-0297	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.2	ATWS-0298	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.2	ATWS-0299	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.3	ATWS-0300	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.3	ATWS-0301	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at an overhead powerline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.6	ATWS-0302	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.6	ATWS-0303	0	Wetland	WEB053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.9	ATWS-0305	45	NWI	NWI-0071	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
46.9	ATWS-0306	44	NWI	NWI-0071	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
47.5	ATWS-0311	44	NWI	NWI-0075	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0312	0	Wetland	WEB051	ATWS is necessary to provide sufficient space to safely accommodate a spread move-a-round and road crossing. In order to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0312	0	Wetland	WEB050	ATWS is necessary to provide sufficient space to safely accommodate a spread move-a-round and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0313	0	Wetland	WEA506	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0313	0	Wetland	WEA505	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	11	Wetland	AWEA509	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install and maintain

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0313	28	Wetland	AWEA509	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	0	Wetland	WEA507	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	0	Wetland	WEA502	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0313	0	Wetland	WEB166C	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0313	0	Wetland	WEA503	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	0	Wetland	WEB166A	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	0	Wetland	WEB166C	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	0	Wetland	WEA503	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.0	ATWS-0314	20	Waterbody	WAB058G	ATWS is necessary to provide sufficient space to complete an HDD crossing and to provide room for construction staging. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.1	ATWS-0315	0	Wetland	WEB167	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
48.1	ATWS-0315	0	Wetland	WEB166A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0316	0	Wetland	WEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0316	0	Wetland	WEB172	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0316	26	Wetland	AWEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0317	0	Wetland	WEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0318	0	Wetland	WEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
49.0	ATWS-0318	0	Wetland	AWEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Wetland	WEB170A	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Wetland	WEB173B	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Wetland	WEB174A	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Waterbody	WAB060	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
49.5	ATWS-0319	0	Wetland	WEB174B	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Wetland	WEB173B	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	0	Wetland	WEB174A	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0319	7	Waterbody	WAB055	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be used for Spread move-around, HDD entry and push site (going north). Set-up attempts to utilize previously disturbed rocked area. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
49.5	ATWS-0320	0	Wetland	WEB174A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0320	0	Wetland	WEB174A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.5	ATWS-0320	0	Waterbody	WAB055	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
49.8	ATWS-0321	9	Wetland	WEB165A	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.8	ATWS-0321	0	Waterbody	WAB055	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
49.8	ATWS-0321	31	Wetland	WEB165B	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
49.8	ATWS-0321	0	Wetland	WEB165C	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.8	ATWS-0321	27	Wetland	WEB163	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
49.8	ATWS-0321	24	Waterbody	WAB057A	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
50.0	ATWS-0473	0	Wetland	WEB163	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.0	ATWS-0474	0	Wetland	WEB163	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.0	ATWS-0474	0	Wetland	WEB164A	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.4	ATWS-0324	0	Wetland	WEB164B	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.4	ATWS-0324	0	Wetland	WEB164A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.4	ATWS-0324	0	Wetland	WEB164B	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.5	ATWS-0325	0	Wetland	WEB164B	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be utilized as false ROW for HDD pullback. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.5	ATWS-0325	0	Waterbody	WAB035B	ATWS is necessary to provide sufficient space to complete an HDD crossing. This ATWS would be utilized as false ROW for HDD pullback. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
50.5	ATWS-0326	0	Wetland	WEB164B	ATWS is necessary to provide sufficient space to complete an HDD crossing. ATWS would be utilized for sourcing water for hydrostatic pre-test of the HDD pullback string and as a turn-around for the HDD pullback operations. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
50.5	ATWS-0326	0	Waterbody	WAB035B	ATWS is necessary to provide sufficient space to complete an HDD crossing. ATWS would be utilized for sourcing water for

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					hydrostatic pre-test of the HDD pullback string and as a turn-around for the HDD pullback operations. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
51.3	ATWS-0327	0	Wetland	WEB094A	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
53.1	ATWS-0328	0	Wetland	WEB103	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
53.1	ATWS-0328	0	Waterbody	WAB038	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
53.1	ATWS-0328	0	Wetland	WEB103	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
53.1	ATWS-0328	0	Wetland	WEB104	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
53.1	ATWS-0328	0	Waterbody	WAB040	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
53.3	ATWS-0329	0	Wetland	WEB001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
54.4	ATWS-0330	0	Wetland	WEB005	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
54.4	ATWS-0330	0	Waterbody	WAB001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
54.4	ATWS-0330	46	Waterbody	WAB002A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
Cameron Parish					
55.3	ATWS-0331	0	Wetland	WEB007	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0331	37	Wetland	AWEB007	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0331	37	Wetland	AWEB365	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0331	45	Wetland	AWEB366	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0331	45	Wetland	AWEB013	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0332	0	Wetland	WEB013	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0332	17	Wetland	WEB007	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0332	41	Wetland	AWEB007	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0332	41	Wetland	AWEB365	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.3	ATWS-0332	41	Wetland	AWEB366	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0495	0	Wetland	WEB015	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0334	0	Wetland	WEB013	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0334	0	Wetland	WEB017	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0334	0	Wetland	WEB013	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0334	0	Wetland	WEB016	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0334	4	Wetland	WEB015	ATWS is necessary to provide sufficient space for equipment access. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB014	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB019	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB019	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB020	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0475	0	Wetland	WEB021	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS required for extra depth in a push method construction to ensure proper separation between CP Express and foreign pipeline crossed in this area and accommodate additional spoils from deeper trench. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0337	0	Wetland	WEB015	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0337	11	Wetland	WEB016	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0337	0	Wetland	WEB018	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0337	0	Wetland	WEB022	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
55.4	ATWS-0337	0	Wetland	WEB013	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
56.3	ATWS-0338	0	Wetland	WEB112	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
56.3	ATWS-0338	50	Wetland	AWEB112	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
56.3	ATWS-0339	0	Wetland	WEB113	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
56.4	ATWS-0339	50	Wetland	AWEB113	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
57.5	ATWS-0340	0	Wetland	WEB044A	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method, as shown in construction typicals. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
57.5	ATWS-0340	0	Wetland	WEB044B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method, as shown in construction typicals. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
57.5	ATWS-0340	0	Wetland	WEB044C	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method, as shown in construction typicals. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.1	ATWS-0344	0	Wetland	WEB047	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.3	ATWS-0346	0	Wetland	WEB048	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.3	ATWS-0346	25	Wetland	WEB049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.3	ATWS-0346	46	Wetland	WEB120	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.3	ATWS-0347	0	Wetland	WEB120	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	47	Wetland	WEB120	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	10	Wetland	WEB118	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	0	Wetland	WEB119	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	8	Wetland	WEB118	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	38	Wetland	WEB121	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	47	Wetland	WEB123	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.5	ATWS-0348	0	Wetland	WEB139	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
58.5	ATWS-0348	0	Wetland	WEB124	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. This ATWS is required to facilitate setup and operations for the push construction method, as shown in the construction typicals, for an approximately 6-mile push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0349	0	Wetland	WEB128	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0349	0	Wetland	WEB139	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0349	0	Waterbody	WAB049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
58.7	ATWS-0349	0	Wetland	WEB137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0349	0	Wetland	WEB137B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0349	0	Wetland	WEB137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEB139	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEB124	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	9	Wetland	WEB125	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEB126	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEB127	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEB139	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Waterbody	WAB049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
58.7	ATWS-0350	0	Wetland	WEB137B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
58.7	ATWS-0350	0	Wetland	WEA137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
58.7	ATWS-0350	4	Wetland	WEB129	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0351	0	Wetland	WEB137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0351	0	Wetland	WEB136	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
59.0	ATWS-0351	0	Wetland	WEB135	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0351	0	Wetland	WEB137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0351	0	Wetland	WEB138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0352	0	Wetland	WEB137A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.0	ATWS-0352	0	Wetland	WEB138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.4	ATWS-0353	0	Wetland	WEB138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.4	ATWS-0353	0	Wetland	WEA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.5	ATWS-0353	4	Wetland	WAA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.4	ATWS-0354	0	Wetland	WEB138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
59.4	ATWS-0354	0	Wetland	WEA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
60.2	ATWS-0355	0	Wetland	WEA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0355	0	Wetland	WEA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0355	0	Waterbody	WAA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.2	ATWS-0355	43	Waterbody	WAA008	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2 Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System					
Approx. Milepost	**Unique ID [a]**	**Approx. Distance to Waterbody or Wetland (feet) [b]**	**Affected Feature (Wetland or Waterbody)**	**Feature ID**	**Justification for ATWS and Measures to Avoid or Minimize Impacts**
60.2	ATWS-0355	0	Wetland	WEA006	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	44	Wetland	WEA002	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	3	Wetland	WEA001	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	0	Wetland	WEA004	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	0	Waterbody	WAA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.2	ATWS-0356	0	Wetland	WEA005	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	0	Waterbody	WAA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.2	ATWS-0356	0	Wetland	WEA006	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
60.2	ATWS-0356	0	Waterbody	WAA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.3	ATWS-0357	0	Wetland	WEA006	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.3	ATWS-0357	0	Waterbody	WAA009	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
60.3	ATWS-0357	0	Wetland	WEA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.3	ATWS-0358	0	Wetland	WEA006	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.3	ATWS-0358	0	Waterbody	WAA009	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.3	ATWS-0358	0	Wetland	WEA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.5	ATWS-0359	0	Wetland	WEA007	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
60.5	ATWS-0359	40	Waterbody	WAA010	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
60.5	ATWS-0359	39	Waterbody	WAA010	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.5	ATWS-0359	46	Waterbody	WAA010	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.5	ATWS-0359	0	Waterbody	WAA010	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
60.5	ATWS-0359	0	Wetland	WEA008	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.8	ATWS-0360	0	Wetland	WEA011A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.8	ATWS-0360	10	Waterbody	WAA022	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
62.8	ATWS-0360	29	Wetland	WEA011B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.9	ATWS-0361	0	Wetland	WEA011A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.9	ATWS-0361	0	Waterbody	WAA022	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
62.9	ATWS-0361	0	Wetland	WEA011B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.9	ATWS-0362	0	Wetland	WEA011B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.9	ATWS-0362	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
62.9	ATWS-0363	0	Wetland	WEA011B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.1	ATWS-0365	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at multiple pipeline crossing (Dual large diameter pipelines). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
63.1	ATWS-0366	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at multiple pipeline crossing (Dual large diameter pipelines). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.2	ATWS-0363	0	Wetland	WEB140	ATWS is required for the crossing of two foreign pipelines collocated approximately 50 feet apart. One line is a 36-inch-diameter gas pipeline with 7-foot depth of cover and the second is a 30-inch-diameter gas pipeline with 5-foot depth of cover. A buffer depth of 2 feet is maintained between the foreign pipeline and the CP Express pipeline, resulting in a 12-foot minimum depth of cover for the CP Express pipeline. These two pipeline crossings are in the middle of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 12-foot minimum depth of cover directly beneath the two line crossings. As the CP Express pipeline leaves the foreign pipeline crossings in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at these increased depths. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the pipeline crossings generates more spoil, thereby

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
63.2	ATWS-0364	0	Wetland	WEB140	ATWS is required for the crossing of two foreign pipelines collocated approximately 50 feet apart. One line is a 36-inch-diameter gas pipeline with 7-foot depth of cover and the second is a 30-inch-diameter gas pipeline with 5-foot depth of cover. A buffer depth of 2 feet is maintained between the foreign pipeline and the CP Express pipeline, resulting in a 12-foot minimum depth of cover for the CP Express pipeline. These two pipeline crossings are in the middle of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 12-foot minimum depth of cover directly beneath the two line crossings. As the CP Express pipeline leaves the foreign pipeline crossings in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at these increased depths. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the pipeline crossings generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
63.2	ATWS-0368	0	Wetland	WEB140	ATWS is required for the crossing of two foreign pipelines collocated approximately 50 feet apart. One line is a 36-inch-diameter gas pipeline with 7-foot depth of cover and the second is a 30-inch-diameter gas pipeline with 5-foot depth of cover. A buffer depth of 2 feet is maintained between the foreign pipeline and the CP Express pipeline, resulting in a 12-foot minimum depth of cover for the CP Express pipeline. These two pipeline crossings are in the middle of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 12-foot minimum depth of cover directly beneath the two line crossings. As the CP Express pipeline leaves the foreign pipeline crossings in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					generated during installation at these increased depths. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the pipeline crossings generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
63.3	ATWS-0367	0	Wetland	WEB140	ATWS is required for the crossing of two foreign pipelines collocated approximately 50 feet apart. One line is a 36-inch-diameter gas pipeline with 7-foot depth of cover and the second is a 30-inch-diameter gas pipeline with 5-foot depth of cover. A buffer depth of 2 feet is maintained between the foreign pipeline and the CP Express pipeline, resulting in a 12-foot minimum depth of cover for the CP Express pipeline. These two pipeline crossings are in the middle of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 12-foot minimum depth of cover directly beneath the two line crossings. As the CP Express pipeline leaves the foreign pipeline crossings in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at these increased depths. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the pipeline crossings generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
63.4	ATWS-0369	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
63.4	ATWS-0370	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.5	ATWS-0371	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.5	ATWS-0371	0	Waterbody	WAB045	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
63.5	ATWS-0371	0	Wetland	WEB141	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
63.5	ATWS-0372	0	Wetland	WEB140	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.5	ATWS-0372	0	Waterbody	WAB045	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
63.5	ATWS-0372	0	Wetland	WEB141	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
63.9	ATWS-0373	0	Wetland	WEB141	ATWS is required for the crossing of a 12-inch-diameter foreign pipeline at 2.5-foot depth of cover beneath waterbody WAB046. Based on survey data, the bottom of waterbody WAB046 is at 5.5 feet. With the foreign pipeline's depth of cover at 2.5 feet below the bottom of the waterbody and the requirement to maintain a 2-foot buffer between the foreign pipeline and the CP Express pipeline, the required minimum depth of cover for the CP Express pipeline

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					directly beneath the crossing is 10 feet. This foreign pipeline and waterbody crossing are at the end of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 10-foot minimum depth of cover directly over the pipeline at the waterbody crossing. As the CP Express pipeline leaves the crossing in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at this increased depth. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the crossing generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
63.9	ATWS-0374	0	Wetland	WEB141	ATWS is required for the crossing of a 12-inch-diameter foreign pipeline at 2.5-foot depth of cover beneath waterbody WAB046. Based on survey data, the bottom of waterbody WAB046 is at 5.5 feet. With the foreign pipeline's depth of cover at 2.5 feet below the bottom of the waterbody and the requirement to maintain a 2-foot buffer between the foreign pipeline and the CP Express pipeline, the required minimum depth of cover for the CP Express pipeline directly beneath the crossing is 10 feet. This foreign pipeline and waterbody crossing are at the end of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 10-foot minimum depth of cover directly over the pipeline at the waterbody crossing. As the CP Express pipeline leaves the crossing in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at this increased depth. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the crossing generates more spoil, thereby requiring a larger ATWS that gradually reduces

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					spatially as the installation depth returns to the standard 3 feet of cover).
64.0	ATWS-0375	0	Wetland	WEB141	ATWS is required for the crossing of a 12-inch-diameter foreign pipeline at 2.5-foot depth of cover beneath waterbody WAB046. Based on survey data, the bottom of waterbody WAB046 is at 5.5 feet. With the foreign pipeline's depth of cover at 2.5 feet below the bottom of the waterbody and the requirement to maintain a 2-foot buffer between the foreign pipeline and the CP Express pipeline, the required minimum depth of cover for the CP Express pipeline directly beneath the crossing is 10 feet. This foreign pipeline and waterbody crossing are at the end of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 10-foot minimum depth of cover directly over the pipeline at the waterbody crossing. As the CP Express pipeline leaves the crossing in both directions, free stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at this increased depth. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the crossing generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
64.0	ATWS-0376	0	Wetland	WEB141	ATWS is required for the crossing of a 12-inch-diameter foreign pipeline at 2.5-foot depth of cover beneath waterbody WAB046. Based on survey data, the bottom of waterbody WAB046 is at 5.5 feet. With the foreign pipeline's depth of cover at 2.5 feet below the bottom of the waterbody and the requirement to maintain a 2-foot buffer between the foreign pipeline and the CP Express pipeline, the required minimum depth of cover for the CP Express pipeline directly beneath the crossing is 10 feet. This foreign pipeline and waterbody crossing are at the end of a 6-mile-long push section. Due to the push construction method, free stress bending of the pipe will be utilized to achieve the required 10-foot minimum depth of cover directly over the pipeline at the waterbody crossing. As the CP Express pipeline leaves the crossing in both directions, free

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					stress bending of the pipe is maintained until the installation depth gradually returns to the standard 3-foot minimum depth of cover. Consequently, a significant length of ATWS is required to accommodate the spoil generated during installation at this increased depth. Over the transition area, ATWS was tapered in relation to the installation depth and volume of spoil that will be generated (i.e., the deeper ditch close to the crossing generates more spoil, thereby requiring a larger ATWS that gradually reduces spatially as the installation depth returns to the standard 3 feet of cover).
64.2	ATWS-0377	0	Wetland	WEB141	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.2	ATWS-0377	0	Waterbody	WAB046	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
64.2	ATWS-0377	0	Wetland	WEB142	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.2	ATWS-0378	0	Wetland	WEB141	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.2	ATWS-0378	0	Waterbody	WAB046	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
64.2	ATWS-0378	0	Wetland	WEB142	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.3	ATWS-0379	0	Wetland	WEB142	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.3	ATWS-0380	0	Waterbody	WAB098	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
64.3	ATWS-0380	0	Wetland	WEB142	ATWS is necessary to provide access to the hydrostatic test water source. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.3	ATWS-0476	0	Wetland	WEB142	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.3	ATWS-0476	0	Waterbody	WAB047	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
64.3	ATWS-0477	0	Wetland	WAB047	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low- ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre- construction conditions to facilitate revegetation.
64.3	ATWS-0477	0	Wetland	WEB142	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low- ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
64.5	ATWS-0478	0	Wetland	WEB142	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS required for additional spoil storage to accommodate the extra depth in the push required at foreign line

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing (Large diameter pipeline) and waterbody. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.3	ATWS-0381	0	Wetland	WEA013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.3	ATWS-0381	0	Wetland	WEA014	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.3	ATWS-0382	0	Wetland	WEA013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.4	ATWS-0383	0	Wetland	WEA013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.4	ATWS-0383	0	Waterbody	WAA023	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.4	ATWS-0383	0	Wetland	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.4	ATWS-0384	0	Wetland	WEA013	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.4	ATWS-0384	0	Waterbody	WAA023	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.3	ATWS-0384	0	Wetland	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.3	ATWS-0384	0	Wetland	WEA014	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.5	ATWS-0385	0	Wetland	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.5	ATWS-0385	0	Waterbody	WAA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.5	ATWS-0386	0	Wetland	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.5	ATWS-0386	0	Waterbody	WAA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.6	ATWS-0389	0	Waterbody	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.6	ATWS-0389	0	Waterbody	WAA025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.6	ATWS-0389	0	Wetland	WEA015	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.6	ATWS-0390	36	Wetland	WEA012	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.6	ATWS-0390	0	Waterbody	WAA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.6	ATWS-0390	0	Waterbody	WAA025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.6	ATWS-0390	0	Wetland	WEA015	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.7	ATWS-0391	0	Wetland	WEA015	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.7	ATWS-0391	0	Waterbody	WAA026	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.7	ATWS-0392	0	Wetland	WEA015	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
65.7	ATWS-0392	0	Waterbody	WAA026	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
65.7	ATWS-0392	0	Wetland	WEA016	ATWS is necessary at a 90-degree turn along an access road to provide sufficient space to safely accommodate construction vehicles. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of- way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
66.2	ATWS-0393	0	Wetland	WEA016	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
66.2	ATWS-0393	0	Waterbody	WAA029	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
66.2	ATWS-0393	0	Wetland	WEA017	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
66.2	ATWS-0393	0	Waterbody	WAA030	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
66.2	ATWS-0393	0	Waterbody	WEA018	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
66.2	ATWS-0394	0	Wetland	WEA016	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
66.2	ATWS-0394	0	Waterbody	WAA029	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
66.2	ATWS-0394	0	Wetland	WEA017	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0395	0	Wetland	WEA017	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0395	0	Waterbody	WAA031	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
67.4	ATWS-0395	0	Wetland	WEA019	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0395	0	Waterbody	WAA032	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
67.4	ATWS-0395	0	Wetland	WEA020A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0396	0	Wetland	WEA017	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0396	0	Waterbody	WAA031	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
67.4	ATWS-0396	0	Wetland	WEA019	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
67.4	ATWS-0396	0	Waterbody	WAA032	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
67.4	ATWS-0396	0	Wetland	WEA020A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
68.2	ATWS-0397	0	Wetland	WEA020A	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Waterbody	WAA037	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Wetland	WEA020B	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	20	Waterbody	WAA038	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Wetland	WEA020C	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Wetland	WEA020F	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Waterbody	WAA040	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Wetland	WEA020H	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Waterbody	WAA043	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0397	0	Waterbody	WAA044	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.6	ATWS-0397	0	Wetland	WEA020I	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.6	ATWS-0397	0	Wetland	WEA020J	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	41	Waterbody	WAA036	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Wetland	WEA020A	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Waterbody	WAA037	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Wetland	WEA020B	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
68.3	ATWS-0398	0	Wetland	WEA020C	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.2	ATWS-0398	35	Waterbody	WAA039	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Wetland	WEA020F	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Waterbody	WAA040	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Wetland	WEA020H	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Waterbody	WAA043	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
68.3	ATWS-0398	0	Wetland	WEA020H	This stretch of right-of-way supports a spatially recurrent mix of two landscape types: wetland marsh and open water, each type requiring a different minimum depth of cover. At 10 locations between approximate MP 68 and MP 69, the designed depth of cover switches between 3 feet in wetland marsh areas and 4 feet in open water channels. This location is in the middle of a 6-mile-long push section. The constant change of required depth of cover and fluctuating elevation changes between the wetland marsh areas and open water channels necessitates the ATWS in order to maintain spoil storage on the right-of-way. Furthermore, due to use of the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions from each change in elevation to facilitate free stress roping of the pipe.
69.8	ATWS-0399	0	Wetland	WEA022E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0399	0	Waterbody	WAA063	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0399	0	Wetland	WEA022F	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0400	42	Waterbody	WAA061	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0400	0	Waterbody	WAA062	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0400	0	Wetland	WEA022E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0400	10	Waterbody	WAA063	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0400	49	Wetland	WEA022F	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0401	37	Wetland	WEA022E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0401	3	Waterbody	WAA063	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0401	0	Wetland	WEA022F	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0401	0	Waterbody	WAA064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0401	0	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0401	0	Waterbody	WAA065	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0402	0	Wetland	WEA022E	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0402	0	Waterbody	WAA063	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0402	0	Wetland	WEA022F	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0402	0	Waterbody	WAA064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0402	0	Wetland	WEA022G	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.8	ATWS-0402	0	Waterbody	WAA064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.8	ATWS-0402	16	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0403	0	Wetland	WEA022G	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0403	0	Waterbody	WAA064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.9	ATWS-0403	0	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0403	0	Waterbody	WAA066	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.9	ATWS-0403	39	Wetland	WEA022H	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0404	0	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0404	0	Waterbody	WAA065	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.9	ATWS-0404	0	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
69.9	ATWS-0404	14	Waterbody	WAA066	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
69.9	ATWS-0404	9	Waterbody	WAA066	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.0	ATWS-0494	0	Wetland	WEA022K	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.0	ATWS-0494	0	Wetland	WEA022H	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.0	ATWS-0494	0	Waterbody	WAA067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.0	ATWS-0494	0	Wetland	WEA0221	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way.
70.1	ATWS-0493	0	Wetland	WEA022J	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.1	ATWS-0493	0	Waterbody	WAA067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.2	ATWS-0496	3	Wetland	WEA022J	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0496	0	Waterbody	WAA067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.2	ATWS-0496	0	Wetland	WEA023A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0497	0	Wetland	WEA022J	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0497	0	Waterbody	WAA067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.2	ATWS-0497	0	Wetland	WEA023A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0497	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0491	12	Wetland	WEA023A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0491	0	Waterbody	WAA067	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.2	ATWS-0491	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.2	ATWS-0491	0	Waterbody	WAA068	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.3	ATWS-0492	39	Waterbody	WAA068	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.3	ATWS-0492	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0405	0	Waterbody	WAA072	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
70.5	ATWS-0405	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0405	4	Wetland	AWEA023B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0406	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
70.5	ATWS-0406	0	Wetland	AWEA023B	ATWS is necessary to accommodate a push pad that will be utilized for push activities both to the north (6-mile-long push) and south (3-mile-long push) of MP 70.5. Due to the length of these two pushes, there will be a significant amount of truck traffic associated with pipe stringing and pipe staging at this push pad site. ATWS locations are needed to provide additional space for pipe stringing trucks to deliver loads, turn around, and exit without inferring with the push rack activities. Additionally, ATWS locations will be utilized for pipe staging, vehicle parking, and hydrotest equipment and supporting personnel. Further, ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0408	0	Wetland	WEA023B	ATWS is necessary to accommodate a push pad that will be utilized for push activities both to the north (6-mile-long push) and south (3-mile-long push) of MP 70.5. Due to the length of these two pushes, there will be a significant amount of truck traffic associated with pipe stringing and pipe staging at this push pad site. ATWS locations are needed to provide additional space for pipe stringing trucks to deliver loads, turn around, and exit without inferring with the push rack activities. Additionally, ATWS locations will be utilized for pipe staging, vehicle parking, and hydrotest equipment and supporting personnel. Further, ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0408	0	Wetland	AWEA023B	ATWS is necessary to accommodate a push pad that will be utilized for push activities both to the north (6-mile-long push) and south (3-mile-long push) of MP 70.5. Due to the length of these two pushes, there will be a significant amount of truck traffic associated with pipe stringing and pipe staging at this push pad site. ATWS locations are needed to provide additional space for pipe stringing trucks to deliver loads, turn around, and exit without inferring with the push rack activities. Additionally, ATWS locations will be utilized for pipe staging, vehicle parking, and hydrotest equipment and supporting personnel. Further, ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0407	1	Wetland	WEB-300	ATWS is necessary to provide sufficient space for an access road. ATWS is required to accommodate additional parking on the existing upland alongside existing access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0407	4	Wetland	AWEA023B	ATWS is necessary to provide sufficient space for an access road. ATWS is required to accommodate additional parking on the existing upland alongside existing access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0407	6	Wetland	AWEB300	ATWS is necessary to provide sufficient space for an access road. ATWS is required to accommodate additional parking on the existing upland alongside existing access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0407	1	Wetland	AWEB301	ATWS is necessary to provide sufficient space for an access road. ATWS is required to accommodate additional parking on the existing upland alongside existing access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
70.5	ATWS-0409	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
70.5	ATWS-0409	1	Wetland	AWEA023B	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate pushes both north and south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.1	ATWS-0410	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.1	ATWS-0411	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.1	ATWS-0411	42	Waterbody	WAA081	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0412	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.2	ATWS-0412	0	Waterbody	WAA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0412	0	Wetland	WEA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.2	ATWS-0412	0	Waterbody	WAA084	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0412	0	Waterbody	WAA083	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0412	0	Waterbody	WAA085	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0413	0	Wetland	WEA023B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.2	ATWS-0413	0	Wetland	WEA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
71.2	ATWS-0413	0	Waterbody	WAA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.2	ATWS-0413	0	Wetland	WEA025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.3	ATWS-0414	0	Wetland	WEA025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.3	ATWS-0414	26	Waterbody	WAA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.3	ATWS-0415	4	Waterbody	WAA085	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.3	ATWS-0415	0	Wetland	WEA024	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.3	ATWS-0415	0	Waterbody	WAA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.3	ATWS-0415	0	Wetland	WEA025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
71.7	ATWS-0416	0	Waterbody	WAB003B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.7	ATWS-0417	0	Waterbody	WAB003B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.8	ATWS-0418	0	Waterbody	WAB003B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.8	ATWS-0418	0	Wetland	WEB024B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.8	ATWS-0419	0	Waterbody	WAB003B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
71.8	ATWS-0419	0	Wetland	WEB024B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.9	ATWS-0420	0	Wetland	WEB024B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
71.9	ATWS-0421	0	Wetland	WEB024B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
72.6	ATWS-0422	0	Wetland	WEB024A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
72.6	ATWS-0422	0	Waterbody	WAB003A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
72.6	ATWS-0422	0	Wetland	WEB025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
72.7	ATWS-0423	46	Waterbody	WAB003A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and mainline valve. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
72.7	ATWS-0423	21	Wetland	WEB025	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and mainline valve. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
72.7	ATWS-0423	0	Wetland	WEB026	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and mainline valve. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.0	ATWS-0424	0	Wetland	WEB026	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.0	ATWS-0424	0	Waterbody	WAB004	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
73.0	ATWS-0424	0	Wetland	WEB027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.0	ATWS-0425	0	Wetland	WEB026	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.0	ATWS-0425	0	Waterbody	WAB004	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
73.0	ATWS-0425	0	Wetland	WEB027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.3	ATWS-0426	0	Wetland	WEB027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.3	ATWS-0426	0	Wetland	WEB028	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.3	ATWS-0427	0	Wetland	WEB027	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.3	ATWS-0427	0	Wetland	WEB028	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.4	ATWS-0428	0	Wetland	WEB028	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method as well as an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.4	ATWS-0429	0	Wetland	WEB028	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method as well as an access road. ATWS is required for push pad

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					and access road to accommodate push to the west collocated with foreign pipeline. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.4	ATWS-0429	24	Waterbody	WAB006	ATWS is necessary to provide sufficient space for an access road and to install the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate push to the west collocated with foreign pipeline. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
73.6	ATWS-0430	0	Wetland	WEB028	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS is required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
73.6	ATWS-0430	0	Waterbody	WAB008A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
73.6	ATWS-0430	0	Wetland	WEB029	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. ATWS required for additional spoil storage to accommodate the extra depth in the push. Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.3	ATWS-0431	0	Wetland	WEB037	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.3	ATWS-0431	1	Wetland	AWEB037	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.3	ATWS-0431	26	Wetland	WEB035A	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.3	ATWS-0431	27	Wetland	AWEB035A	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.9	ATWS-0432	0	Wetland	WEB037	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
76.9	ATWS-0432	0	Waterbody	WAB017	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
76.9	ATWS-0432	0	Wetland	WEB038	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
77.8	ATWS-0433	25	Wetland	WEB038	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
77.8	ATWS-0433	0	Wetland	WEB039	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
77.8	ATWS-0434	0	Wetland	WEB039	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
78.8	ATWS-0435	0	Wetland	WEB060	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.8	ATWS-0435	20	Wetland	WEB061	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.8	ATWS-0436	0	Wetland	WEB060	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.8	ATWS-0436	0	Wetland	WEB063	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.8	ATWS-0436	0	Wetland	WEB062	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total). Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.8	ATWS-0436	0	Wetland	WEB061	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. ATWS is required to accommodate the extra depth in the push at multiple foreign pipeline crossings (four pipelines in total).

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Changes in depth of cover for push sections requires significant ATWS in both directions of the change in elevation due to free stress roping of the pipe. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
78.9	ATWS-0437	0	Wetland	WEB061	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
79.8	ATWS-0438	0	Wetland	WEB064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
79.8	ATWS-0438	0	Waterbody	WAB031A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
79.8	ATWS-0439	0	Wetland	WEB064	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
79.8	ATWS-0439	0	Waterbody	WAB031A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
81.1	ATWS-0441; ATWS-0480	20-45	Waterbody	WAA503	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody.
81.1	ATWS-0440; ATWS-0441	0	Waterbody	WAA502	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
81.1	ATWS-0440; ATWS-0441; ATWS-0442	0-23	Wetland	WEA512	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
81.1	ATWS-0440; ATWS-0442; ATWS-0480	0-20	Wetland	WEA513	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
81.1	ATWS-0480	0	Waterbody	WAA-504	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
83.3	ATWS-0444	29	Wetland	WEB071	ATWS is necessary to provide sufficient space for an access road. ATWS is needed along existing access road to accommodate logistics (pipe trucks) to two separate push pads off the same access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.3	ATWS-0444	0	Wetland	WEB073	ATWS is necessary to provide sufficient space for an access road. ATWS is needed along existing access road to accommodate logistics (pipe trucks) to two separate push pads off the same access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.3	ATWS-0444	18	Wetland	WEB074	ATWS is necessary to provide sufficient space for an access road. ATWS is needed along existing access road to accommodate logistics (pipe trucks) to two separate push pads off the same access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation
83.3	ATWS-0444	50	Wetland	AWEB087A	ATWS is necessary to provide sufficient space for an access road. ATWS is needed along existing access road to accommodate logistics (pipe trucks) to two separate push pads off the same access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation
83.4	ATWS-0445	0	Wetland	WEB073	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate push to the south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.4	ATWS-0445	0-5	Wetland	WEB073; WEB075; WEA518; WEB071; WEA517	ATWS is necessary to provide sufficient space to safely accommodate installation of the pipeline via the push construction method. ATWS is required for push pad and access road to accommodate push to the south. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.5	ATWS-0446	0	Wetland	WEB075	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.7	ATWS-0447	0	Wetland	WEB075	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.7	ATWS-0447	0	Wetland	WEB079A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.7	ATWS-0447	0	Waterbody	WAB033A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
83.7	ATWS-0447	0	Wetland	WEB077	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
83.8	ATWS-0448	0	Wetland	WEB077	ATWS is necessary for the crossing of waterbody WAB033A. Based on survey data, the bottom of waterbody WAB033A is 6 feet below surface. Given the additional 4-foot installation depth required between the bottom of waterbodies and the CP Express pipeline, the minimum depth of cover for the CP Express pipeline at the crossing is 10 feet. This crossing is in the middle of a 1-mile-long push section. Due to the push construction method, a significant length of ATWS is required to achieve a minimum depth of cover in both directions of the change in elevation to facilitate free stress roping of the pipe. Additionally, this section of right-of-way will accommodate the pull string for the Marshall Street HDD, which will also be pushed off the push rack at MP 83.3.
84.6	ATWS-0453	17	Waterbody	WAB050	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize impacts, CP Express would install

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
84.7	ATWS-0454	0	Wetland	WEB080B	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.7	ATWS-0454	0	Wetland	WEB080C	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.7	ATWS-0455	0	Wetland	WEB080B	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.7	ATWS-0455	0	Wetland	WEB080C	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0456	0	Wetland	WEB080B	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0456	0	Wetland	WEB080C	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0456	1	Wetland	AWEB299	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0457	0	Wetland	WEB080C	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0457	30	Wetland	WEB080D	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0458	0	Wetland	WEB080C	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
84.8	ATWS-0458	0	Wetland	WEB080D	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
Enable Gulf Run Lateral					
Calcasieu Parish					
0.0	ATWS-E0001	0	Wetland	WEA144	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction, equipment travel, and soil storage at a construction staging and road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.0	ATWS-E0001	2	Waterbody	WAA131F	ATWS is necessary to provide sufficient space for construction staging and a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-E0001	45	Waterbody	WAA133A	ATWS is necessary to provide sufficient space for construction staging and a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-E0002	48	Waterbody	WAA131F	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-E0002	1	Waterbody	WAA133A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.0	ATWS-E0002	1	Wetland	WEA138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.3	ATWS-E0003	0	Wetland	WEA138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.4	ATWS-E0004	48	Waterbody	WAA132	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
0.4	ATWS-E0004	0	Wetland	WEA138	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.6	ATWS-E0005	0	Wetland	WEA137	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.6	ATWS-E0006	0	Wetland	WEA137	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.6	ATWS-E0007	0	Wetland	WEA113	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.6	ATWS-E0007	0	Wetland	WEA133	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
0.6	ATWS-E0008	0	Wetland	WEA113	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.6	ATWS-E0008	0	Wetland	WEA133	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0009	42	Wetland	WEA133	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0009	0	Wetland	WEA135	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0009	0	Wetland	WEA134	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0010	0	Wetland	WEA133	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0010	0	Wetland	WEA135	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.8	ATWS-E0010	0	Wetland	WEA136	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
0.9	ATWS-E0011	19	Wetland	WEA116	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0012	47	Waterbody	WAA129	ATWS is necessary to provide sufficient space for an access road. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
1.0	ATWS-E0012	16	Wetland	AWEA091	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0012	17	Wetland	WEA091	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0013	15	Wetland	WEA117	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0013	0	Wetland	WEA115	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0014	0	Wetland	WEA091	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.0	ATWS-E0014	0	Wetland	WEA091	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0015	7	Waterbody	WAA103A	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
1.1	ATWS-E0015	6	Waterbody	WAA103B	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
1.1	ATWS-E0015	0	Wetland	WEA092	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0015	0	Wetland	WEA086	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0015	0	Wetland	WEA090	ATWS is necessary to provide sufficient space for an access road and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0016	0	Wetland	WEA092	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0016	0	Wetland	WEA086	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.1	ATWS-E0016	0	Wetland	WEA090	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
1.6	ATWS-E0017	0	Wetland	WEA084	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.6	ATWS-E0017	30	Wetland	WEA085B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.6	ATWS-E0018	0	Wetland	WEA085B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.6	ATWS-E0018	11	Wetland	WEA086	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.7	ATWS-E0019	0	Wetland	WEA059	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.7	ATWS-E0020	0	Wetland	WEA059	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.8	ATWS-E0021	0	Wetland	WEA059	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
1.8	ATWS-E0021	0	Wetland	WEA056	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.1	ATWS-E0022	0	Wetland	WEA056	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.1	ATWS-E0022	0	Wetland	WEA055	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.2	ATWS-E0023	0	Wetland	WEA055	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.2	ATWS-E0024	0	Wetland	WEA055	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.3	ATWS-E0025	0	Wetland	WEA054	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.3	ATWS-E0026	0	Wetland	WEA054	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.3	ATWS-E0027	0	Wetland	WEA054	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.3	ATWS-E0028	0	Wetland	WEA054	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.4	ATWS-E0029	0	Wetland	WEA053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.4	ATWS-E0029	28	Waterbody	WAA096	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.4	ATWS-E0029	42	Waterbody	WAA095A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.4	ATWS-E0029	13	Waterbody	WAA095B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.4	ATWS-E0029	39	Wetland	WEA052	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.4	ATWS-E0030	0	Wetland	WEA053	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.4	ATWS-E0030	22	Waterbody	WAA095B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a road crossing and waterbody crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.5	ATWS-E0031	19	Waterbody	WAA094A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.5	ATWS-E0031	0	Wetland	WEA051	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.5	ATWS-E0031	0	Wetland	WEA050	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.5	ATWS-E0032	22	Waterbody	WAA094B	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.5	ATWS-E0032	20	Wetland	WEA047	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
2.5	ATWS-E0032	0	Waterbody	WAA093	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
2.5	ATWS-E0032	0	Wetland	WEA049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.6	ATWS-E0033	0	Wetland	WEA049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.6	ATWS-E0034	0	Wetland	WEA049	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
2.9	ATWS-E0035	37	Wetland	WEA047	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.9	ATWS-E0035	0	Wetland	WEA046	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
2.9	ATWS-E0036	0	Wetland	WEA046	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a waterbody crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.1	ATWS-E0037	0	Wetland	WEA047	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.1	ATWS-E0037	0	Wetland	WEA197	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.1	ATWS-E0038	0	Wetland	WEA047	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.1	ATWS-E0038	0	Wetland	WEA197	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0039	0	Wetland	WEA197	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0039	0	Wetland	WEA068	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0039	0	Wetland	WEA067	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0039	12	Wetland	WEA069B	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0040	0	Wetland	WEA197	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0040	0	Wetland	WEA068	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0040	0	Wetland	WEA069B	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.2	ATWS-E0040	0	Wetland	WEA069A	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.3	ATWS-E0041	39	Wetland	WEA197	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.3	ATWS-E0041	30	Wetland	WEA067	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.3	ATWS-E0041	0	Wetland	WEA069B	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
3.3	ATWS-E0041	0	Wetland	WEA069A	ATWS is necessary to provide sufficient space for an access road and to safely install the pipeline at a foreign pipeline crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
4.4	ATWS-E0044	44	Wetland	WEA043	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
					wetland contours to pre-construction conditions to facilitate revegetation.
4.4	ATWS-E0045	44	Wetland	WEA043	ATWS is necessary to provide sufficient space to complete an HDD crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
4.8	ATWS-E0046	36	Wetland	WEA044	ATWS is necessary to provide sufficient space for an access road. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.3	ATWS-E0048	0	Wetland	WEA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and railroad. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.3	ATWS-E0048	0	Waterbody	WAA088	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and railroad. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
5.3	ATWS-E0049	0	Wetland	WEA082	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and railroad. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.3	ATWS-E0049	0	Waterbody	WAA088	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a road crossing and railroad. In order to minimize impacts, CP Express would install and maintain sediment barriers where necessary and practicable to prevent silt laden water from flowing off the construction right-of-way or into the waterbody. Following construction, CP Express would restore stream bank contours and stabilize stream banks within 24 hours of completing the crossing.
5.8	ATWS-E0051	0	Wetland	WEA076A	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
5.8	ATWS-E0051	27	Wetland	AWEA077	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction and soil storage at a wetland crossing. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

Table H-2
Additional Temporary Workspace Within 50 Feet of Waterbodies and Wetlands for the Pipeline System

Approx. Milepost	Unique ID [a]	Approx. Distance to Waterbody or Wetland (feet) [b]	Affected Feature (Wetland or Waterbody)	Feature ID	Justification for ATWS and Measures to Avoid or Minimize Impacts
6.0	ATWS-E0052	0	Wetland	WEA071	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.
6.0	ATWS-E0052	0	Wetland	WEA072	ATWS is necessary to provide sufficient space to safely accommodate pipeline construction at a pipeline P.I. In order to minimize wetland impacts, CP Express would install equipment mats and utilize low-ground pressure equipment. In addition, CP Express would install and maintain sediment barriers where necessary and practicable along the edge of the ATWS to prevent silt laden water from flowing off the construction right-of-way. Following construction, CP Express would restore wetland contours to pre-construction conditions to facilitate revegetation.

[a] Feature is first feature (wetland or waterbody) encountered within 50 feet of the additional temporary workspace.

[b] Crossing distance of 0 indicates that the wetland or waterbody intersects the pipeline centerline.

Note: Affected waterbodies and wetlands within unsurveyed Project areas are not included in this table and would be provided in a supplemental filing.

Appendix I

Wetlands Crossed by the Project

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
Terminal Facilities											
Terminal Site											
	N/A	WEB080A	PEM	8080206	HDD	Surveyed	0.0	0.1	0.0	0.1	0.0
	N/A	WEB080B	PEM	8080206	HDD	Surveyed	0.0	0.9	0.0	0.9	0.0
	N/A	WET-A_PEM	PEM	8080206	N/A	Surveyed	0.0	0.6	0.0	0.1	0.0
	N/A	WET-L_PSS	PSS	8080206	N/A	Surveyed	0.0	1.3	0.0	1.3	0.0
	N/A	AWEB299	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.1	0.0
	N/A	WL023 [f]	PEM	8080206	N/A	Surveyed	0.0	0.8	0.0	0.8	0.0
	N/A	WL023 [f]	PSS	8080206	N/A	Surveyed	0.0	1.9	0.0	1.9	0.0
	N/A	WET-L_PEM	PEM	8080206	N/A	Surveyed	0.0	66.8	0.0	59.9	0.0
	85.0 [e]	WET-M_PEM	PEM	8080206	HDD	Surveyed	374.0	9.0	0.0	8.5	0.0
	85.1 [e]	WET-N_PEM	PEM	8080206	HDD	Surveyed	1,053.0	64.2	0.0	62.9	0.0
	N/A	WET-P_PEM	PEM	8080206	N/A	Surveyed	0.0	3.6	0.0	3.3	0.0
	N/A	WET-B_PEM	PEM	8080206	N/A	Surveyed	0.0	4.6	0.0	4.6	0.0
	N/A	WET-C_PSS	PSS	8080206	N/A	Surveyed	0.0	1.1	0.0	1.1	0.0
	N/A	WET-N_PSS [f]	PSS	8080206	N/A	Surveyed	0.0	5.5	0.0	5.5	0.0
	N/A	WET-O_PEM	PEM	8080206	N/A	Surveyed	0.0	1.8	0.0	1.8	0.0
	N/A	WET-D_PEM	PEM	8080206	N/A	Surveyed	0.0	0.6	0.0	0.6	0.0
	N/A	WET-E_PEM	PEM	8080206	N/A	Surveyed	0.0	11.6	0.0	11.6	0.0
	N/A	WET-F_PEM	PEM	8080206	N/A	Surveyed	0.0	1.3	0.0	1.3	0.0
	N/A	WET-F-PSS	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.1	0.0
	N/A	WET-G_PEM	PEM	8080206	N/A	Surveyed	0.0	1.3	0.0	1.3	0.0
	N/A	WET-H_PEM	PEM	8080206	N/A	Surveyed	0.0	13.2	0.0	13.2	0.0
	N/A	WET-H_PSS	PSS	8080206	N/A	Surveyed	0.0	3.0	0.0	3.0	0.0
	N/A	WET-J_PEM	PEM	8080206	N/A	Surveyed	0.0	32.0	0.0	31.2	0.0
	N/A	WET-K_E2EM	E2EM	8080206	N/A	Surveyed	0.0	5.9	0.0	4.1	0.0
	N/A	WET-Q_PEM	PEM	8080206	N/A	Surveyed	0.0	58.7	0.0	57.8	0.0
	N/A	WET-Q_PFO [f]	PFO	8080206	N/A	Surveyed	0.0	0.9	0.0	0.9	0.0
	N/A	WET-Qa_PSS [f]	PSS	8080206	N/A	Surveyed	0.0	6.4	0.0	6.4	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	N/A	WET-Qb_PSS	PSS	8080206	N/A	Surveyed	0.0	11.3	0.0	11.3	0.0
	N/A	WET-R_PEM	PEM	8080206	N/A	Surveyed	0.0	3.9	0.0	3.9	0.0
	N/A	WET-S_PEM	PEM	8080206	N/A	Surveyed	0.0	2.1	0.0	1.7	0.0
	N/A	WET-S_PFO	PFO	8080206	N/A	Surveyed	0.0	0.7	0.0	0.7	0.0
	N/A	WET-T_PEM	PEM	8080206	N/A	Surveyed	0.0	3.6	0.0	3.5	0.0
	N/A	WET-U_PEM	PEM	8080206	N/A	Surveyed	0.0	7.8	0.0	7.0	0.0
	N/A	WET-U_PSS	PSS	8080206	N/A	Surveyed	0.0	0.2	0.0	0.2	0.0
	N/A	WET-V_E2EM	E2EM	8080206	N/A	Surveyed	0.0	2.0	0.0	1.4	0.0
		Terminal Site Total					**1,427.0**	**329.0**	**0.0**	**313.8**	**0.0**
Marine Facilities											
	N/A	WET-MA_PEM	PEM	8080206	N/A	Surveyed	0.0	6.7	0.0	6.7	0.0
	N/A	WET-ME_PEM	PEM	8080206	N/A	Surveyed	0.0	1.4	0.0	1.4	0.0
	N/A	WET-MA_E2EM	E2EM	8080206	N/A	Surveyed	0.0	9.4	0.0	9.4	0.0
	N/A	WET-MB_PEM	PEM	8080206	N/A	Surveyed	0.0	4.5	0.0	4.5	0.0
	N/A	WET-MC_E2EM	E2EM	8080206	N/A	Surveyed	0.0	4.8	0.0	4.8	0.0
	N/A	WET-MD_PEM	PEM	8080206	N/A	Surveyed	0.0	1.1	0.0	1.1	0.0
	N/A	WET-ME_PSS	PSS	8080206	N/A	Surveyed	0.0	6.3	0.0	6.3	0.0
	N/A	WET-MG_PFO	PFO	8080206	N/A	Surveyed	0.0	0.6	0.0	0.6	0.0
	N/A	WET-MD_PSS	PSS	8080206	N/A	Surveyed	0.0	6.4	0.0	6.3	0.0
					Marine Facilities Subtotal		***0.0***	***41.2***	***0.0***	***41.2***	***0.0***
LNG Transfer Lines											
	N/A	WET-B_PEM	PEM	8080206	Open Cut	Surveyed	0.0	<0.1	0.0	0.0	0.0
	N/A	WET-F_PEM	PEM	8080206	Open Cut	Surveyed	959	11.3	0.0	0.0	0.0
	N/A	WET-F_PSS	PSS	8080206	Open Cut	Surveyed	1,136	12.9	0.0	0.0	0.0
					LNG Transfer Lines Subtotal		***2,095***	***24.2***	***0.0***	***0.0***	***0.0***

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
				TERMINAL FACILITIES TOTAL			**3522**	**394.4**	**0.0**	**355.0**	**0.0**
PIPELINE SYSTEM											
CP Express Pipeline											
Jasper County											
	0.0	AWEA312	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	0.0	WEA312A	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	0.0	WEB372	PFO	12020003	Open Cut	Surveyed	25.0	0.1	<0.1	0.0	0.0
	0.0	WEB370	PEM	12020003	Open Cut	Surveyed	71.0	0.3	0.0	0.0	0.0
	0.0	WEB373	PFO	12020003	Open Cut	Surveyed	120.0	0.5	0.1	0.0	0.0
	0.1	WEB374	PFO	12020003	Open Cut	Surveyed	289.0	0.9	0.2	0.0	0.0
	0.1	WEB375	PFO	12020003	Open Cut	Surveyed	171.0	0.6	0.1	0.0	0.0
	0.1	AWEA310	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	0.2	WEB377	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	0.2	WEB378	PFO	12020003	Open Cut	Surveyed	341.0	0.9	0.2	0.0	0.0
	0.3	WEB381	PFO	12020003	Open Cut	Surveyed	125.0	0.4	0.1	0.0	0.0
	0.3	WEB382	PFO	12020003	Open Cut	Surveyed	258.0	0.8	0.2	0.0	0.0
	0.3	WEB383	PFO	12020003	Open Cut	Surveyed	688.0	1.9	0.5	0.0	0.0
	0.5	WEB396	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	0.5	WEB384	PFO	12020003	Open Cut	Surveyed	21.0	0.2	<0.1	0.0	0.0
	0.6	WEB385	PFO	12020003	Open Cut	Surveyed	190.0	0.6	0.1	0.0	0.0
	0.7	WEB386	PFO	12020003	Open Cut	Surveyed	85.0	0.4	0.1	0.0	0.0
	0.8	WEB388	PFO	12020003	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	0.9	WEA280	PFO	12020003	Open Cut	Surveyed	804.0	2.3	0.6	0.0	0.0
	1.0	WEA279A	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.1	WEA282	PFO	12020003	Open Cut	Surveyed	506.0	1.2	0.3	0.0	0.0
	1.2	WEA278	PEM	12020003	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	1.2	WEA277	PEM	12020003	Open Cut	Surveyed	26.0	0.2	0.0	0.0	0.0
	1.2	WEA283	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.3	WEA265	PFO	12020003	Open Cut	Surveyed	715.0	1.7	0.5	0.0	0.0
	1.3	WEA275	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.5	WEA272	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	1.5	WEA273	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.5	WEA284	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.5	WEA270A	PSS	12020003	Open Cut	Surveyed	1,978.0	5.2	0.4	0.0	0.0
	1.6	WEA271	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.9	WEA269C	PEM	12010005	Open Cut	Surveyed	10.0	0.3	0.0	0.0	0.0
	1.9	WEA269B	PFO	12010005	Open Cut	Surveyed	30.0	0.2	<0.1	0.0	0.0
	2.0	WEA269A	PFO	12010005	Open Cut	Surveyed	36.0	0.1	<0.1	0.0	0.0
	2.0	WEA268	PFO	12010005	Open Cut	Surveyed	177.0	0.5	0.1	0.0	0.0
	2.0	WEA266B	PFO	12010005	Open Cut	Surveyed	93.0	0.2	0.1	0.0	0.0
	2.0	WEA266A	PFO	12010005	Open Cut	Surveyed	938.0	2.7	0.6	0.0	0.0
	2.1	WEA267	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	2.2	NWI-0001	PEM	12010005	N/A	NWI	0.0	0.1	0.0	0.0	0.0
	2.2	NWI-0002	PFO	12010005	Open Cut	NWI	33.0	<0.1	<0.1	0.0	0.0
	2.3	NWI-0004	PFO	12010005	Open Cut	NWI	224.0	0.6	0.2	0.0	0.0
	2.5	NWI-0006	PEM	12010005	N/A	NWI	0.0	<0.1	0.0	0.0	0.0
	2.5	NWI-0007	PEM	12010005	N/A	NWI	0.0	0.1	0.0	0.0	0.0
	2.6	NWI-0009	PEM	12010005	N/A	NWI	0.0	0.1	0.0	0.0	0.0
	2.6	WEA294	PFO	12010005	Open Cut	Surveyed	5,387.0	14.3	3.7	0.0	0.0
	2.7	NWI-0010	PFO	12010005	N/A	NWI	0.0	<0.1	0.0	0.0	0.0
	3.6	WEA293B	PSS	12010005	Open Cut	Surveyed	551.0	1.7	0.1	0.0	0.0
	3.7	WEA292B	PEM	12010005	Open Cut	Surveyed	33.0	1.4	0.0	0.0	0.0
	3.8	WEA292A	PEM	12010005	Open Cut	Surveyed	162.0	0.6	0.0	0.0	0.0
	3.8	WEA292C	PSS	12010005	Open Cut	Surveyed	309.0	0.9	0.1	0.0	0.0
	3.9	WEB394	PFO	12010005	Open Cut	Surveyed	132.0	0.4	0.1	0.0	0.0
	3.9	WEB393	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	3.9	WEB390	PEM	12010005	Open Cut	Surveyed	6.0	0.1	0.0	0.0	0.0
	3.9	WEB391	PFO	12010005	Open Cut	Surveyed	882.0	2.3	0.6	0.0	0.0
	4.0	WEB389	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	4.1	WEA263	PEM	12010005	Open Cut	Surveyed	9.0	0.2	0.0	0.0	0.0
	4.1	WEA264	PFO	12010005	Open Cut	Surveyed	3,973.0	11.3	2.7	0.0	0.0
	4.9	WEA262	PFO	12010005	Open Cut	Surveyed	1,148.0	3.0	0.8	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	5.0	WEA261	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	5.3	WEA323	PFO	12010005	Open Cut	Surveyed	286.0	0.8	0.2	0.0	0.0
	5.3	WEA324	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	5.4	WEA325	PFO	12010005	Open Cut	Surveyed	335.0	1.0	0.2	0.0	0.0
	5.5	WEA326B	PFO	12010005	Open Cut	Surveyed	886.0	2.5	0.6	0.0	0.0
	5.5	WEA326A	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	5.6	WEA327B	PFO	12010005	Open Cut	Surveyed	585.0	1.8	0.4	0.0	0.0
	5.7	WEA327A	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	5.7	WEA223	PFO	12010005	Open Cut	Surveyed	1,105.0	2.9	0.8	0.0	0.0
	5.9	WEA225	PFO	12010005	Open Cut	Surveyed	526.0	1.4	0.4	0.0	0.0
	6.0	WEA226	PFO	12010005	Open Cut	Surveyed	1,140.0	3.3	0.8	0.0	0.0
	6.1	WEA224	PEM	12010005	N/A	Surveyed	0.0	0.4	0.0	0.0	0.0
	6.2	WEA227	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	6.4	WEA228	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0
	6.5	WEA226A	PFO	12010005	Open Cut	Surveyed	1,574.0	4.8	1.1	0.0	0.0
	6.8	WEB440	PEM	12010005	Open Cut	Surveyed	19.0	<0.1	0.0	0.0	0.0
	6.8	WEA250	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	6.9	WEA249	PFO	12010005	Open Cut	Surveyed	7.0	<0.1	<0.1	0.0	0.0
	6.9	WEA248	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	7.0	WEA247	PFO	12010005	Open Cut	Surveyed	23.0	0.1	<0.1	0.0	0.0
	7.1	WEA246	PFO	12010005	Open Cut	Surveyed	55.0	0.3	<0.1	0.0	0.0
	7.1	WEA245	PFO	12010005	Open Cut	Surveyed	775.0	2.6	0.6	0.0	0.0
	7.3	WEA242A	PEM	12010005	Open Cut	Surveyed	390.0	1.3	0.0	0.0	0.0
	7.3	WEA242B	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	7.4	WEA243	PFO	12010005	Open Cut	Surveyed	7.0	0.1	<0.1	0.0	0.0
	7.4	WEA240	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	7.4	WEA241	PFO	12010005	Open Cut	Surveyed	165.0	0.3	0.1	0.0	0.0
	7.4	WEA238	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	7.4	WEA239	PEM	12010005	Open Cut	Surveyed	27.0	0.3	0.0	0.0	0.0
	7.5	WEA237	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0

Newton County

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	7.5	WEA237	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0
	7.6	WEA235	PEM	12010005	Open Cut	Surveyed	221.0	0.4	0.0	0.0	0.0
	7.6	WEA234	PFO	12010005	N/A	Surveyed	0.0	0.4	0.0	0.0	0.0
	7.6	NWI-0015	PFO	12010005	Open Cut	NWI	74.0	0.5	0.1	0.0	0.0
	8.0	WEA232	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	8.0	WEA231	PEM	12010005	Open Cut	Surveyed	45.0	0.1	0.0	0.0	0.0
	8.1	WEA230	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.1	WEA229	PEM	12010005	Open Cut	Surveyed	57.0	0.1	0.0	0.0	0.0
	8.2	WEA328	PFO	12010005	Open Cut	Surveyed	16.0	<0.1	<0.1	0.0	0.0
	8.2	WEA329B	PFO	12010005	Open Cut	Surveyed	457.0	1.3	0.3	0.0	0.0
	8.2	WEA329A	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.2	AWEB450	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.3	WEA331	PFO	12010005	Open Cut	Surveyed	417.0	1.1	0.3	0.0	0.0
	8.3	WEA330	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	8.4	WEA332	PEM	12010005	Open Cut	Surveyed	16.0	0.1	0.0	0.0	0.0
	8.4	WEA333	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.4	WEA334	PEM	12010005	Open Cut	Surveyed	175.0	0.7	0.0	0.0	0.0
	8.4	WEA335B	PFO	12010005	Open Cut	Surveyed	132.0	0.5	0.1	0.0	0.0
	8.5	WEA335A	PFO	12010005	Open Cut	Surveyed	151.0	0.3	0.1	0.0	0.0
	8.5	WEA336	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.5	WEA337	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	8.6	WEA338	PFO	12010005	N/A	Surveyed	0.0	<0.1	<0.1	0.0	0.0
	8.6	WEA339	PFO	12010005	N/A	Surveyed	0.0	<0.1	<0.1	0.0	0.0
	8.6	WEA341	PFO	12010005	Open Cut	Surveyed	245.0	0.5	0.2	0.0	0.0
	8.7	WEA340	PEM	12010005	Open Cut	Surveyed	25.0	0.4	0.0	0.0	0.0
	8.7	WEA342	PFO	12010005	Open Cut	Surveyed	309.0	0.8	0.2	0.0	0.0
	8.8	WED114	PFO	12010005	Open Cut	Surveyed	785.0	1.9	0.5	0.0	0.0
	9.2	WED115	PFO	12010005	Open Cut	Surveyed	17.0	<0.1	<0.1	0.0	0.0
	9.3	WED116	PFO	12010005	Open Cut	Surveyed	48.0	0.4	<0.1	0.0	0.0
	9.4	WEB410	PEM	12010005	Open Cut	Surveyed	136.0	0.2	0.0	0.0	0.0
	9.4	WEB411	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	9.6	WEB274	PFO	12010005	Open Cut	Surveyed	1,544.0	3.9	1.1	0.0	0.0
	9.6	WEB275	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	9.8	WEB276A	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0
	9.9	WEB271	PFO	12010005	Open Cut	Surveyed	876.0	2.3	0.6	0.0	0.0
	10.0	WEB272	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	10.1	WEB270	PEM	12010005	Open Cut	Surveyed	1,489.0	4.2	0.0	0.0	0.0
	10.2	WEB273	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	10.4	WEB269	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	10.4	WEB268	PSS	12010005	Open Cut	Surveyed	228.0	0.7	0.1	0.0	0.0
	10.5	WEB266	PFO	12010005	Open Cut	Surveyed	202.0	0.5	0.1	0.0	0.0
	10.5	WEB267	PFO	12010005	N/A	Surveyed	0.0	<0.1	<0.1	0.0	0.0
	10.5	WEB265	PFO	12010005	Open Cut	Surveyed	118.0	0.3	0.1	0.0	0.0
	10.6	WEB261	PSS	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	10.6	WEB262	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	10.6	WEB260	PSS	12010005	Open Cut	Surveyed	112.0	0.4	<0.1	0.0	0.0
	10.6	WEB263	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	10.6	WEB259	PSS	12010005	Open Cut	Surveyed	207.0	0.4	<0.1	0.0	0.0
	10.7	WEB258	PSS	12010005	Open Cut	Surveyed	1,026.0	2.6	0.2	0.0	0.0
	10.8	WEB264	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0
	10.9	WEB257	PFO	12010005	Open Cut	Surveyed	294.0	1.0	0.2	0.0	0.0
	11.0	WEB256	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	11.0	WEB255	PSS	12010005	Open Cut	Surveyed	364.0	0.9	0.1	0.0	0.0
	11.1	WEB251	PFO	12010005	Open Cut	Surveyed	199.0	0.6	0.1	0.0	0.0
	11.1	WEB253	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	11.1	WEB254	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	11.1	WEB252	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	11.1	WEB249	PFO	12010005	Open Cut	Surveyed	126.0	0.4	0.1	0.0	0.0
	11.1	WEB250	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	11.2	WEB248	PFO	12010005	Open Cut	Surveyed	262.0	0.6	0.2	0.0	0.0
	11.2	WEB247	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	11.3	WEB244	PFO	12010005	Open Cut	Surveyed	1,178.0	2.9	0.8	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	11.3	WEB245A	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	11.4	WEB246	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	11.5	WEA205	PFO	12010005	Open Cut	Surveyed	973.0	2.6	0.7	0.0	0.0
	11.6	WEA204	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	11.7	WEA203	PFO	12010005	Open Cut	Surveyed	387.0	1.1	0.3	0.0	0.0
	11.8	WEA202	PEM	12010005	Open Cut	Surveyed	17.0	0.1	0.0	0.0	0.0
	11.8	WEB243	PEM	12010005	Open Cut	Surveyed	23.0	0.3	0.0	0.0	0.0
	11.8	WEB242	PFO	12010005	Open Cut	Surveyed	29.0	<0.1	<0.1	0.0	0.0
	11.8	WEB235	PFO	12010005	Open Cut	Surveyed	3,515.0	9.6	2.4	0.0	0.0
	11.9	WEB241	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	12.0	WEB240	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	12.1	WEB239	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	12.3	WEB238	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	12.4	WEB237	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	12.5	WEB234	PFO	12010005	Open Cut	Surveyed	337.0	0.8	0.2	0.0	0.0
	12.6	WEB236	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	12.6	WEB231	PFO	12010005	Open Cut	Surveyed	668.0	1.7	0.5	0.0	0.0
	12.7	WEB233	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	12.8	WEB230	PFO	12010005	Open Cut	Surveyed	945.0	2.4	0.7	0.0	0.0
	12.9	WEB232	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	13.0	WEB229	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	13.0	WEB228	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	13.0	WEB226	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	13.1	WEB223	PFO	12010005	Open Cut	Surveyed	403.0	1.1	0.3	0.0	0.0
	13.1	WEB227	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	13.2	WEB222	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	13.3	WEB220	PFO	12010005	Open Cut	Surveyed	1,168.0	3.2	0.8	0.0	0.0
	13.4	WEB221	PEM	12010005	N/A	Surveyed	0.0	0.5	0.0	0.0	0.0
	13.6	WEB219	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	13.8	WEB211	PFO	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	13.8	WEB210	PFO	12010005	Open Cut	Surveyed	498.0	1.5	0.3	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	13.8	WEB215	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	13.9	WEB214	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	13.9	WEB213	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	14.0	WEB209	PFO	12010005	Open Cut	Surveyed	27.0	0.1	<0.1	0.0	0.0
	14.0	WEB208	PFO	12010005	Open Cut	Surveyed	101.0	0.2	0.1	0.0	0.0
	14.0	WEB212	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	14.1	WEB207	PFO	12010005	Open Cut	Surveyed	27.0	0.1	<0.1	0.0	0.0
	14.1	WEB206	PFO	12010005	Open Cut	Surveyed	83.0	0.2	0.1	0.0	0.0
	14.1	WEB205	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	14.1	WEB203	PFO	12010005	Open Cut	Surveyed	51.0	0.2	<0.1	0.0	0.0
	14.2	WEB204	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	14.2	WEB201	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	14.2	WEB200	PFO	12010005	Open Cut	Surveyed	243.0	0.6	0.2	0.0	0.0
	14.3	WEB202	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	14.5	WEB198A	PFO	12010005	Open Cut	Surveyed	614.0	1.7	0.4	0.0	0.0
	14.5	WEB199	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	14.6	WED101	PFO	12010005	Open Cut	Surveyed	81.0	0.1	<0.1	0.0	0.0
	14.8	WED102	PEM	12010005	Open Cut	Surveyed	86.0	0.3	0.0	0.0	0.0
	14.8	WED103	PEM	12010005	Open Cut	Surveyed	35.0	0.1	0.0	0.0	0.0
	14.8	WED104	PEM	12010005	Open Cut	Surveyed	58.0	0.2	0.0	0.0	0.0
	15.0	WED105	PSS	12010005	Open Cut	Surveyed	94.0	0.1	0.0	0.0	0.0
	15.2	WED106	PFO	12010005	Open Cut	Surveyed	317.0	0.1	0.0	0.0	0.0
	15.3	WED107	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	15.3	WED108	PFO	12010005	Open Cut	Surveyed	278.0	0.8	0.2	0.0	0.0
	15.4	WED109	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	15.7	WED110	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	15.8	WEA260	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	15.8	WEA259	PFO	12010005	Open Cut	Surveyed	608.0	1.7	0.4	0.0	0.0
	15.9	WEA258D	PSS	12010005	Open Cut	Surveyed	219.0	0.9	0.1	0.0	0.0
	15.9	WEA258C	PSS	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	15.9	WEA257	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	15.9	WEA253	PEM	12010005	Open Cut	Surveyed	19.0	<0.1	0.0	0.0	0.0
	15.9	WEA251	PFO	12010005	Open Cut	Surveyed	352.0	1.4	0.3	0.0	0.0
	16.1	WEA254	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	16.2	WED111	PFO	12010005	Open Cut	Surveyed	63.0	0.2	<0.1	0.0	0.0
	16.3	WED112	PFO	12010005	Open Cut	Surveyed	37.0	<0.1	<0.1	0.0	0.0
	16.4	WED113	PFO	12010005	Open Cut	Surveyed	25.0	0.2	<0.1	0.0	0.0
	16.4	WEB412	PFO	12010005	Open Cut	Surveyed	1,120.0	2.4	0.8	0.0	0.0
	16.4	WEB408	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	16.4	WEB407	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	16.5	WEB406	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	16.5	WEB405	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	16.6	WEB404	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	16.6	WEB402	PFO	12010005	Open Cut	Surveyed	408.0	0.9	0.3	0.0	0.0
	16.7	WEB403	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	16.7	WEB409	PFO	12010005	Open Cut	Surveyed	855.0	1.9	0.6	0.0	0.0
	16.8	WEB414	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	16.9	WEA220	PEM	12010005	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	17.0	WEB413	PFO	12010005	Open Cut	Surveyed	308.0	0.7	0.2	0.0	0.0
	17.0	WEB415	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	17.2	WEA218	PEM	12010005	Open Cut	Surveyed	72.0	0.2	0.0	0.0	0.0
	17.4	WEA217B	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	17.5	WEA216	PFO	12010005	Open Cut	Surveyed	311.0	0.8	0.2	0.0	0.0
	17.5	WEA215	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	17.6	WEA213	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	17.6	WEA214	PFO	12010005	Open Cut	Surveyed	31.0	<0.1	<0.1	0.0	0.0
	17.6	WEA212	PSS	12010005	Open Cut	Surveyed	446.0	1.4	0.1	0.0	0.0
	17.8	WEA211	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	17.8	WEA210	PFO	12010005	Open Cut	Surveyed	701.0	2.7	0.5	0.0	0.0
	17.9	WEB444	PEM	12010005	Open Cut	Surveyed	80.0	0.2	0.0	0.0	0.0
	18.0	WEB419	PEM	12010005	Open Cut	Surveyed	40.0	0.1	0.0	0.0	0.0
	18.0	WEB418	PFO	12010005	Open Cut	Surveyed	265.0	0.9	0.2	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	18.2	WEB417	PEM	12010005	Open Cut	Surveyed	19.0	0.1	0.0	0.0	0.0
	18.2	WEB416	PFO	12010005	Open Cut	Surveyed	683.0	2.2	0.5	0.0	0.0
	18.6	WEB423	PFO	12010005	Open Cut	Surveyed	445.0	1.3	0.3	0.0	0.0
	18.6	WEB445	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	18.7	WEB446	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	18.7	WEB428	PFO	12010005	Open Cut	Surveyed	74.0	0.1	0.1	0.0	0.0
	18.7	WEB447	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	18.7	WEB427E	PFO	12010005	Open Cut	Surveyed	0.0	0.2	0.0	0.0	0.0
	18.7	WEB424	PFO	12010005	Open Cut	Surveyed	528	1.4	0.4	0.0	0.0
	18.9	WEB431	PEM	12010005	N/A	Surveyed	88.0	0.5	0.0	0.0	0.0
	18.9	WEB431	PEM	12010005	N/A	Surveyed	163.0	0.7	0.0	0.0	0.0
	18.9	WEB427D	PEM	12010005	Open Cut	Surveyed	232.0	1.8	0.2	0.0	0.0
	18.9	WEB427C	PEM	12010005	Open Cut	Surveyed	352.0	1.2	0.2	0.0	0.0
	19.0	WEB427B	PFO	12010005	Open Cut	Surveyed	243.0	0.7	0.2	0.0	0.0
	19.0	WEB430	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	19.1	WEB427A	PFO	12010005	Open Cut	Surveyed	271.0	0.9	0.2	0.0	0.0
	19.1	WEB429	PEM	12010005	Open Cut	Surveyed	0.0	0.1	0.0	0.0	0.0
	19.2	WEB427	PFO	12010005	Open Cut	Surveyed	824.0	2.4	0.6	0.0	0.0
	19.1	WEB429	PEM	12010005	Open Cut	Surveyed	0.0	0.2	0.0	0.0	0.0
	19.3	WEB276B	PFO	12010005	Open Cut	Surveyed	459.0	1.4	0.3	0.0	0.0
	19.4	WEB288	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	19.4	WEB278	PFO	12010005	Open Cut	Surveyed	432.0	1.2	0.3	0.0	0.0
	19.5	WEB289	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	19.5	WEB279	PFO	12010005	Open Cut	Surveyed	174.0	0.5	0.1	0.0	0.0
	19.5	WEB290	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	19.5	WEB280	PFO	12010005	Open Cut	Surveyed	540.0	1.8	0.4	0.0	0.0
	19.6	WEB291	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	19.7	WEB281	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	19.7	WEB282	PFO	12010005	HDD	Surveyed	617.0	0.0	0.0	0.0	0.7
	19.7	WEB282	PFO	12010005	Open Cut	Surveyed	1,218.0	4.1	0.8	0.0	0.0
	19.9	WEB293	PEM	12010005	HDD	Surveyed	0.0	0.0	0.0	0.0	<0.1

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	19.9	WEB293	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
Calcasieu Parish											
	20.1	WEB283	PFO	12010005	HDD	Surveyed	2,188.0	0.0	0.0	0.0	2.5
	20.5	WEB284	PFO	12010005	HDD	Surveyed	125.0	0.0	0.0	0.0	0.2
	20.5	WEB286	PFO	12010005	HDD	Surveyed	594.0	0.0	0.0	0.0	0.7
	20.6	WEB296	PEM	12010005	HDD	Surveyed	0.0	0.0	0.0	0.0	<0.1
	20.8	NWI-0021	PEM	12010005	HDD	NWI	872.0	0.0	0.0	0.0	1.0
	21.3	NWI-0025	PFO	12010005	Open Cut	NWI	23.0	0.1	<0.1	0.0	0.0
	21.8	WEA170A	PEM	12010005	Open Cut	Surveyed	9.0	0.2	0.0	0.0	0.0
	21.8	WEA170B	PFO	12010005	Open Cut	Surveyed	43.0	0.1	<0.1	0.0	0.0
	21.9	WEA501	PFO	12010005	Open Cut	Surveyed	128	0.3	0.1	0.0	0.0
	22.0	WEA172A	PFO	12010005	Open Cut	Surveyed	400.0	1.1	0.3	0.0	0.0
	22.1	WEA172B	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	22.1	WEA173	PFO	12010005	Open Cut	Surveyed	196.0	0.5	0.1	0.0	0.0
	22.2	WEA167	PEM	12010005	N/A	Surveyed	0.0	0.4	0.0	0.0	0.0
	22.3	WEA174	PFO	12010005	Open Cut	Surveyed	335.0	0.8	0.2	0.0	0.0
	22.4	WEA171	PFO	12010005	Open Cut	Surveyed	2,303.0	6.4	1.6	0.0	0.0
	22.4	WEA166	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	22.8	WEA169A	PEM	12010005	Open Cut	Surveyed	1,444.0	4.3	0.0	0.0	0.0
	23.1	WEA168	PEM	12010005	Open Cut	Surveyed	158.0	0.5	0.0	0.0	0.0
	23.2	WEC001A	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	23.2	WEC001B	PFO	12010005	Open Cut	Surveyed	276.0	0.8	0.2	0.0	0.0
	23.6	WEC002	PSS	12010005	Open Cut	Surveyed	234.0	0.6	0.1	0.0	0.0
	23.7	WEC003A	PSS	12010005	Open Cut	Surveyed	151.0	0.6	<0.1	0.0	0.0
	23.7	WEC004A	PSS	12010005	Open Cut	Surveyed	304.0	1.0	0.1	0.0	0.0
	23.8	WEC004B	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	23.8	WEC005A	PSS	12010005	Open Cut	Surveyed	286.0	0.8	0.1	0.0	0.0
	23.9	WEC005D	PFO	12010005	Open Cut	Surveyed	1,248.0	3.4	0.9	0.0	0.0
	23.9	WEC005B	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	23.9	WEC005F	PSS	12010005	Open Cut	Surveyed	2.0	0.1	<0.1	0.0	0.0
	24.1	WEC006A	PFO	12010005	Open Cut	Surveyed	618.0	2.2	0.4	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	24.2	WEC006B	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	24.2	WEC007A	PFO	12010005	Open Cut	Surveyed	215.0	0.7	0.1	0.0	0.0
	24.3	WEC007E	PFO	12010005	Open Cut	Surveyed	838.0	2.3	0.6	0.0	0.0
	24.3	WEC007B	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	24.5	WEC008A	PFO	12010005	Open Cut	Surveyed	30.0	0.1	<0.1	0.0	0.0
	24.5	WEC008B	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	24.5	WEC009A	PFO	12010005	Open Cut	Surveyed	498.0	1.8	0.3	0.0	0.0
	24.6	WEC009B	PEM	12010005	Open Cut	Surveyed	20.0	0.1	0.0	0.0	0.0
	24.6	WEC009C	PFO	12010005	Open Cut	Surveyed	24.0	0.1	<0.1	0.0	0.0
	24.6	WEC009D	PEM	12010005	Open Cut	Surveyed	107.0	0.4	0.0	0.0	0.0
	24.6	WEC009E	PFO	12010005	Open Cut	Surveyed	1,098.0	3.4	0.8	0.0	0.0
	24.9	WEC010A	PFO	12010005	Open Cut	Surveyed	1,728.0	5.3	1.2	0.0	0.0
	25.2	WEC010B	PEM	12010005	Open Cut	Surveyed	33.0	0.1	0.0	0.0	0.0
	25.2	WEC011	PFO	12010005	Open Cut	Surveyed	185.0	0.9	0.1	0.0	0.0
	25.3	WEC012	PFO	12010005	Open Cut	Surveyed	285.0	1.3	0.2	0.0	0.0
	25.4	WEC013	PFO	12010005	Open Cut	Surveyed	21.0	<0.1	<0.1	0.0	0.0
	25.4	WEA151	PFO	12010005	Open Cut	Surveyed	2,236.0	6.5	1.5	0.0	0.0
	25.8	WEA150	PFO	12010005	Open Cut	Surveyed	88.0	0.2	0.1	0.0	0.0
	25.8	WEA149A	PFO	12010005	Open Cut	Surveyed	63.0	0.2	<0.1	0.0	0.0
	25.8	WEA148	PEM	12010005	Open Cut	Surveyed	29.0	0.1	0.0	0.0	0.0
	25.8	WEA147	PFO	12010005	Open Cut	Surveyed	988.0	2.7	0.7	0.0	0.0
	26.0	WEA146	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	26.1	WEA145	PFO	12010005	Open Cut	Surveyed	54.0	0.1	<0.1	0.0	0.0
	26.2	WEA143	PFO	12010005	Open Cut	Surveyed	616.0	2.2	0.4	0.0	0.0
	26.5	WEA142	PFO	12010005	Open Cut	Surveyed	66.0	0.2	<0.1	0.0	0.0
	26.6	WEA140	PEM	12010005	HDD	Surveyed	802.0	0.0	0.0	0.0	0.9
	26.6	WEA140	PEM	12010005	Open Cut	Surveyed	132.0	1.1	0.0	0.0	0.0
	26.6	WEA141	PSS	12010005	Open Cut	Surveyed	352.0	0.8	0.1	0.0	0.0
	27.0	WEA139	PEM	8080206	HDD	Surveyed	571.0	0.0	0.0	0.0	0.7
	27.0	WEA139	PEM	8080206	Open Cut	Surveyed	905.0	3.0	0.0	0.0	0.0
	28.9	NWI-0030	PFO	8080206	Open Cut	NWI	279.0	0.8	0.2	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	29.1	NWI-0032	PFO	8080206	Open Cut	NWI	153.0	0.4	0.1	0.0	0.0
	29.3	WEA221	PEM	8080206	Open Cut	Surveyed	585.0	1.6	0.0	0.0	0.0
	30.3	NWI-0037	PSS	8080206	Open Cut	NWI	21.0	0.1	<0.1	0.0	0.0
	31.1	NWI-0039	PSS	8080206	Open Cut	NWI	22.0	0.1	<0.1	0.0	0.0
	31.4	WEB188	PSS	8080206	Open Cut	Surveyed	619.0	1.7	0.1	0.0	0.0
	31.6	WEB189	PFO	8080206	Open Cut	Surveyed	461.0	1.6	0.3	0.0	0.0
	31.7	WEB190	PFO	8080206	Open Cut	Surveyed	217.0	0.9	0.1	0.0	0.0
	31.7	WEB191	PFO	8080206	Open Cut	Surveyed	715.0	2.1	0.5	0.0	0.0
	31.9	WEB193	PEM	8080206	Open Cut	Surveyed	501.0	1.1	0.0	0.0	0.0
	32.0	WEB197	PSS	8080206	Open Cut	Surveyed	11.0	<0.1	<0.1	0.0	0.0
	32.0	WEB196	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	32.2	WEB186	PEM	8080206	HDD	Surveyed	22.0	0.1	0.0	0.0	<0.1
	32.2	WEB186	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	32.2	WEB185	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	32.3	WEB183	PEM	8080206	HDD	Surveyed	709.0	0.0	0.0	0.0	0.8
	32.3	WEB183	PEM	8080206	Open Cut	Surveyed	242.0	1.5	0.0	0.0	0.0
	32.5	WEB182A	PFO	8080206	Open Cut	Surveyed	102.0	0.3	0.1	0.0	0.0
	32.5	WEB180	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	32.6	WEB179	PEM	8080206	Open Cut	Surveyed	2.0	<0.1	0.0	0.0	0.0
	32.6	WEB178	PEM	8080206	Open Cut	Surveyed	1,225.0	3.5	0.0	0.0	0.0
	32.8	WEB177	PSS	8080206	Open Cut	Surveyed	79.0	0.2	<0.1	0.0	0.0
	33.4	NWI-0048	PUB	8080206	N/A	NWI	0.0	<0.1	0.0	0.0	0.0
	34.5	NWI-0054	PEM	8080206	Open Cut	NWI	134.0	0.3	0.0	0.0	0.0
	36.1	NWI-0058	PAB	8080206	Open Cut	NWI	508.0	1.5	0.0	0.0	0.0
	36.5	WEA100	PEM	8080206	Open Cut	Surveyed	1,375.0	4.5	0.0	0.0	0.0
	36.8	WEA101	PFO	8080206	Open Cut	Surveyed	82.0	0.2	<0.1	0.0	0.0
	36.8	WEA102	PEM	8080206	Open Cut	Surveyed	272.0	0.7	0.0	0.0	0.0
	37.7	WEA103	PEM	8080206	Open Cut	Surveyed	49.0	0.1	0.0	0.0	0.0
	37.7	WEA104	PEM	8080206	Open Cut	Surveyed	1,319.0	3.8	0.0	0.0	0.0
	38.7	WEA105	PEM	8080206	Open Cut	Surveyed	2,844.0	9.0	0.0	0.0	0.0
	40.1	WEA106	PEM	8080206	Open Cut	Surveyed	1,423.0	4.4	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	40.3	WEA110	PEM	8080206	Open Cut	Surveyed	1,444.0	4.5	0.0	0.0	0.0
	40.6	WEA111A	PEM	8080206	Open Cut	Surveyed	739.0	2.4	0.0	0.0	0.0
	40.8	WEA112A	PEM	8080206	Open Cut	Surveyed	979.0	2.8	0.0	0.0	0.0
	41.0	WEA111B	PEM	8080206	Open Cut	Surveyed	1,362.0	3.9	0.0	0.0	0.0
	41.3	WEA112B	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	41.6	NWI-0061	PEM	8080206	Open Cut	NWI	121.0	0.4	0.0	0.0	0.0
	41.8	NWI-0062	PSS	8080206	HDD	NWI	123.0	0.0	0.0	0.0	0.1
	41.8	NWI-0063	PSS	8080206	HDD	NWI	88.0	0.0	0.0	0.0	0.1
	41.9	NWI-0067	PEM	8080206	HDD	NWI	97.0	0.0	0.0	0.0	0.1
	42.6	WEA118B	PEM	8080206	Open Cut	Surveyed	1,137.0	3.3	0.0	0.0	0.0
	42.9	WEA119	PEM	8080206	Open Cut	Surveyed	815.0	2.9	0.0	0.0	0.0
	43.2	WEA120	PEM	8080206	Open Cut	Surveyed	1,112.0	4.0	0.0	0.0	0.0
	43.5	WEA122	PEM	8080206	Open Cut	Surveyed	765.0	2.4	0.0	0.0	0.0
	43.5	WEA121	PFO	8080206	Open Cut	Surveyed	285.0	0.7	0.2	0.0	0.0
	43.7	WEA123	PEM	8080206	Open Cut	Surveyed	747.0	2.3	0.0	0.0	0.0
	44.0	WEA124	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	44.1	WEA125	PEM	8080206	Open Cut	Surveyed	411.0	1.3	0.0	0.0	0.0
	44.2	WEA127	PEM	8080206	Open Cut	Surveyed	102.0	0.5	0.0	0.0	0.0
	44.2	WEA130A	PEM	8080206	Open Cut	Surveyed	63.0	0.1	0.0	0.0	0.0
	44.2	WEA130B	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	44.3	WEB368	PSS	8080206	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	44.7	WEB056A	PEM	8080206	Open Cut	Surveyed	279.0	0.8	0.0	0.0	0.0
	44.8	WEB055B	PEM	8080206	Open Cut	Surveyed	205.0	0.4	0.0	0.0	0.0
	44.8	WEB055C	PEM	8080206	Open Cut	Surveyed	113.0	0.4	0.0	0.0	0.0
	44.9	WEB055A	PEM	8080206	Open Cut	Surveyed	988.0	2.9	0.0	0.0	0.0
	45.1	WEB054	PEM	8080206	HDD	Surveyed	780.0	0.0	0.0	0.0	0.9
	45.1	WEB054	PEM	8080206	Open Cut	Surveyed	1,461.0	4.6	0.0	0.0	0.0
	45.6	WEB053	PEM	8080206	HDD	Surveyed	755.0	0.0	0.0	0.0	0.9
	45.6	WEB053	PEM	8080206	Open Cut	Surveyed	4,840.0	16.0	0.0	0.0	0.0
	47.6	WEB051	PEM	8080206	Open Cut	Surveyed	1,504.0	4.3	0.0	0.0	0.0
	47.9	WEB050	PEM	8080206	Open Cut	Surveyed	397.0	1.6	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	48.0	WEB166A	E2EM	8080206	HDD	Surveyed	266.0	0.0	0.0	0.0	0.3
	48.0	WEB166A	E2EM	8080206	Marsh Push	Surveyed	237.0	1.3	0.0	0.0	0.0
	48.0	WEB507	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	48.0	WEB506	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	48.0	WEB505	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	48.0	WEB502	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	48.0	WEB503	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	48.0	WEB167	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	48.3	WEB169	E2EM	8080206	HDD	Surveyed	103.0	0.0	0.0	0.0	0.1
	48.3	WEB168A	PEM	8080206	HDD	Surveyed	797.0	0.0	0.0	0.0	0.9
	48.4	WEB170A	E2EM	8080206	HDD	Surveyed	2,694.0	0.0	0.0	0.0	3.1
	48.4	WEB170A	E2EM	8080206	Open Cut	Surveyed	1,946.0	7.2	0.0	0.0	0.0
	48.6	WEB170B	PSS	8080206	HDD	Surveyed	19.0	0.0	0.0	0.0	<0.1
	48.6	WEB170C	PSS	8080206	HDD	Surveyed	0.0	0.0	0.0	0.0	<0.1
	48.9	WEB171	PSS	8080206	HDD	Surveyed	0.0	0.0	0.0	0.0	<0.1
	49.0	WEB172	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	49.0	AWEB172	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	49.0	AWEB170A	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	49.2	WEB173A	PSS	8080206	Open Cut	Surveyed	164.0	0.6	<0.1	0.0	0.0
	49.4	WEB174A	PEM	8080206	HDD	Surveyed	3.0	0.0	0.0	0.0	<0.1
	49.4	WEB174A	PEM	8080206	Open Cut	Surveyed	230.0	1.1	0.0	0.0	0.0
	49.4	WEB173B	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	49.5	WEB174B	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	49.7	WEB165B	PEM	8080206	HDD	Surveyed	202.0	0.0	0.0	0.0	0.2
	49.8	WEB165C	PEM	8080206	HDD	Surveyed	100.0	0.0	0.0	0.0	0.1
	49.8	WEB165C	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	49.8	WEB163	E2EM	8080206	HDD	Surveyed	1,653.0	3.6	0.0	0.0	1.9
	50.1	WEB164A	PSS	8080206	Open Cut	Surveyed	1,152.0	4.4	0.8	0.0	0.0
	50.3	WEB164B	PSS	8080206	HDD	Surveyed	1,029.0	2.9	0.1	0.0	0.7
	51.2	WEB094B	E2EM	8080206	HDD	Surveyed	54.0	0.0	0.0	0.0	0.1

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	51.2	WEB094A	E2EM	8080206	HDD	Surveyed	1,133.0	2.2	0.0	0.0	0.6
	51.9	WEB097	E2EM	8080206	Marsh Push	Surveyed	243.0	0.8	0.0	0.0	0.0
	51.9	WEB096	E2EM	8080206	Marsh Push	Surveyed	626.0	2.0	0.0	0.0	0.0
	52.6	WEB099	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	52.6	WEB104	E2EM	8080206	Marsh Push	Surveyed	92.0	0.6	0.0	0.0	0.0
	52.7	WEB102	E2EM	8080206	Marsh Push	Surveyed	119.0	0.2	0.0	0.0	0.0
	52.7	WEB103	E2EM	8080206	Marsh Push	Surveyed	2,386.0	8.4	0.0	0.0	0.0
	53.2	WEB001	E2EM	8080206	Marsh Push	Surveyed	4,201.0	15.7	0.0	0.0	0.0
	54.0	WEB002	PSS	8080206	Marsh Push	Surveyed	631.0	2.2	0.1	0.0	0.0
	54.2	WEB003	PSS	8080206	Marsh Push	Surveyed	960.0	3.2	0.2	0.0	0.0
	54.4	WEB004	PSS	8080206	Marsh Push	Surveyed	220.0	0.6	<0.1	0.0	0.0
	54.4	WEB005	PEM	8080206	Marsh Push	Surveyed	311.0	1.0	0.0	0.0	0.0
Cameron Parish											
	54.5	WEB007	PEM	8080206	Marsh Push	Surveyed	4,154.0	14.2	0.0	0.0	0.0
	54.5	WEB008	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	54.6	WEB009	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	54.6	WEB010	PSS	8080206	N/A	Surveyed	0.0	<0.1	<0.1	0.0	0.0
	54.9	WEB011	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	55.0	WEB012	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.3	WEB013	PEM	8080206	Marsh Push	Surveyed	1,505.0	6.3	0.0	0.0	0.0
	55.4	WEB017	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	55.4	WEB015	PSS	8080206	Marsh Push	Surveyed	13.0	0.1	<0.1	0.0	0.0
	55.4	WEB016	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.4	WEB018	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.4	WEB014	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.4	WEB022	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.4	WEB019	PSS	8080206	N/A	Surveyed	0.0	0.1	<0.1	0.0	0.0
	55.5	WEB020	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.5	WEB021	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	55.9	WEB111	E2EM	8080206	Marsh Push	Surveyed	92.0	0.5	0.0	0.0	0.0
	55.9	WEB112	PEM	8080206	Marsh Push	Surveyed	2,212.0	7.5	0.0	0.0	0.0
	56.3	WEB113	PEM	8080206	Marsh Push	Surveyed	1,073.0	3.7	0.0	0.0	0.0
	56.7	WEB114	E2EM	8080206	Marsh Push	Surveyed	789.0	2.7	0.0	0.0	0.0
	56.8	WEB115	PEM	8080206	Marsh Push	Surveyed	176.0	0.5	0.0	0.0	0.0
	57.1	WEB117	E2EM	8080206	Marsh Push	Surveyed	1,498.0	5.2	0.0	0.0	0.0
	57.3	WEB109	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	57.3	WEB107	PSS	8080206	N/A	Surveyed	0.0	<0.1	<0.1	0.0	0.0
	57.3	WEB108	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	57.4	WEB105	PSS	8080206	Marsh Push	Surveyed	189.0	0.6	<0.1	0.0	0.0
	57.4	WEB044A	PEM	8080206	Open Cut/Marsh Push	Surveyed	1,521.0	5.7	0.0	0.0	0.0
	57.5	WEB044B	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	57.5	WEB044C	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	57.7	WEB045	PSS	8080206	Open Cut	Surveyed	18.0	0.1	<0.1	0.0	0.0
	57.7	WEB046	PEM	8080206	Open Cut	Surveyed	48.0	0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	58.0	WEB047	PEM	8080206	Open Cut	Surveyed	213.0	0.5	0.0	0.0	0.0
	58.3	WEB049	PEM	8080206	Open Cut	Surveyed	236.0	0.6	0.0	0.0	0.0
	58.3	WEB048	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	58.3	WEB120	PEM	8080206	Marsh Push	Surveyed	727.0	2.6	0.0	0.0	0.0
	58.5	WEB118	PFO	8080206	Marsh Push	Surveyed	174.0	0.6	0.1	0.0	0.0
	58.5	WEB119	PSS	8080206	Marsh Push	Surveyed	194.0	1.2	<0.1	0.0	0.0
	58.5	WEB139	PEM	8080206	Marsh Push	Surveyed	637.0	3.4	0.0	0.0	0.0
	58.5	WEB122	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.5	WEB121	PSS	8080206	Marsh Push	Surveyed	55.0	0.1	<0.1	0.0	0.0
	58.6	WEB123	PSS	8080206	Marsh Push	Surveyed	29.0	<0.1	<0.1	0.0	0.0
	58.6	WEB128	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.6	WEB124	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	58.6	WEB125	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.6	WEB126	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.6	WEB127	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.7	WEB137B	PSS	8080206	Marsh Push	Surveyed	30.0	0.1	<0.1	0.0	0.0
	58.7	WEB137A	PEM	8080206	Marsh Push	Surveyed	1,698.0	7.2	0.0	0.0	0.0
	58.8	WEB130	PSS	8080206	Marsh Push	Surveyed	29.0	<0.1	<0.1	0.0	0.0
	58.8	WEB131	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.9	WEB132	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	58.9	WEB133	PSS	8080206	Marsh Push	Surveyed	20.0	<0.1	<0.1	0.0	0.0
	59.0	WEB136	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	59.0	WEB135	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	59.0	WEB138	PEM	8080206	Marsh Push	Surveyed	2,341.0	8.9	0.0	0.0	0.0
	59.4	WEA001	E2EM	8080206	Marsh Push	Surveyed	3,430.0	12.7	0.0	0.0	0.0
	60.1	WEA002	E2SS	8080206	Marsh Push	Surveyed	39.0	0.2	0.0	0.0	0.0
	60.1	WEA004	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	60.2	WEA005	E2EM	8080206	N/A	Surveyed	0.0	0.3	0.0	0.0	0.0
	60.2	WEA006	E2EM	8080206	Marsh Push	Surveyed	838.0	3.9	0.0	0.0	0.0
	60.3	WEA007	E2EM	8080206	Marsh Push	Surveyed	842.0	3.9	0.0	0.0	0.0
	60.5	WEA008	E2EM	8080206	Marsh Push	Surveyed	2,277.0	7.7	0.0	0.0	0.0
	61.0	WEA009D	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	61.1	WEA009B	E2EM	8080206	Marsh Push	Surveyed	11.0	0.1	0.0	0.0	0.0
	61.1	WEA009A	E2EM	8080206	Marsh Push	Surveyed	79.0	0.4	0.0	0.0	0.0
	61.2	WEA009C	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	61.2	WEA009F	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	61.2	WEA009J	E2EM	8080206	Marsh Push	Surveyed	122.0	0.5	0.0	0.0	0.0
	61.3	WEA009K	E2EM	8080206	Marsh Push	Surveyed	18.0	0.2	0.0	0.0	0.0
	61.3	WEA009S	E2EM	8080206	Marsh Push	Surveyed	9.0	0.2	0.0	0.0	0.0
	61.4	WEA009L	E2EM	8080206	Marsh Push	Surveyed	115.0	0.5	0.0	0.0	0.0
	61.4	WEA009M	E2EM	8080206	Marsh Push	Surveyed	101.0	0.2	0.0	0.0	0.0
	61.4	WEA009N	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	61.4	WEA009P	E2EM	8080206	Marsh Push	Surveyed	200.0	0.6	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	61.6	WEA009U	E2EM	8080206	Marsh Push	Surveyed	159.0	0.6	0.0	0.0	0.0
	61.7	WEA009T	E2EM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	61.7	WEA009H	E2EM	8080206	Marsh Push	Surveyed	1,151.0	3.9	0.0	0.0	0.0
	62.2	WEA010	E2EM	8080206	Marsh Push	Surveyed	225.0	0.9	0.0	0.0	0.0
	62.4	WEA011A	E2EM	8080206	Marsh Push	Surveyed	2,079.0	7.8	0.0	0.0	0.0
	62.8	WEA011B	E2EM	8080206	Marsh Push	Surveyed	456.0	2.0	0.0	0.0	0.0
	62.9	WEB140	PEM	8080206	Marsh Push	Surveyed	3,273.0	19.2	0.0	0.0	0.0
	63.6	WEB141	PEM	8080206	Marsh Push	Surveyed	3,322.0	18.1	0.0	0.0	0.0
	64.2	WEB142	E2EM	8080206	Marsh Push	Surveyed	3,848.0	17.3	0.0	0.0	0.0
	64.9	WEA013	E2EM	8080206	Marsh Push	Surveyed	2,237.0	8.2	0.0	0.0	0.0
	65.3	WEA012	E2EM	8080206	Marsh Push	Surveyed	999.0	4.8	0.0	0.0	0.0
	65.5	WEA014	E2EM	8080206	Marsh Push	Surveyed	0.0	0.8	0.0	0.0	0.0
	65.7	WEA015	E2EM	8080206	Marsh Push	Surveyed	205.0	1.8	0.0	0.0	0.0
	65.8	WEA016	E2EM	8080206	Marsh Push	Surveyed	1,706.0	3.7	0.0	0.0	0.0
	65.8	WEA016A	E2EM	8080206	Marsh Push	Surveyed	0.0	0.7	0.0	0.0	0.0
	66.0	WEA016B	E2EM	8080206	Marsh Push	Surveyed	0.0	2.0	0.0	0.0	0.0
	66.2	WEA017	E2EM	8080206	Marsh Push	Surveyed	5,712.0	20.4	0.0	0.0	0.0
	66.3	WEA018	E2EM	8080206	N/A	Surveyed	380.0	1.3	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	67.4	WEA019A	E2EM	8080206	Marsh Push	Surveyed	492.0	1.6	0.0	0.0	0.0
	67.4	WEA019	E2EM	8080206	Marsh Push	Surveyed	0.0	0.7	0.0	0.0	0.0
	67.4	WEA019B	E2EM	8080206	Marsh Push	Surveyed	1,989.0	5.7	0.0	0.0	0.0
	67.8	WEA020A	E2EM	8080206	Marsh Push	Surveyed	316.0	2.7	0.0	0.0	0.0
	68.0	WEA020B	E2EM	8080206	Marsh Push	Surveyed	339.0	1.9	0.0	0.0	0.0
	68.1	WEA020C	E2EM	8080206	Marsh Push	Surveyed	244.0	1.0	0.0	0.0	0.0
	68.1	WEA020F	E2EM	8080206	Marsh Push	Surveyed	721.0	3.5	0.0	0.0	0.0
	68.5	WEA020H	E2EM	8080206	Marsh Push	Surveyed	327.0	1.8	0.0	0.0	0.0
	68.6	WEA020I	E2EM	8080206	Marsh Push	Surveyed	992	3.6	0.0	0.0	0.0
	68.6	WEA020J	E2EM	8080206	Marsh Push	Surveyed	0.0	<0.1	0.0	0.0	0.0
	69.0	WEA021	E2EM	8080206	Marsh Push	Surveyed	5530	2.0	0.0	0.0	0.0
	69.2	WEA022L	E2EM	8080206	Marsh Push	Surveyed	707	2.4	0.0	0.0	0.0
	69.3	WEA022A	E2EM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	69.3	WEA022B	E2EM	8080206	Marsh Push	Surveyed	734.0	2.5	0.0	0.0	0.0
	69.5	WEA022C	E2EM	8080206	Marsh Push	Surveyed	230	0.8	0.0	0.0	0.0
	69.6	WEA022D	E2EM	8080206	Marsh Push	Surveyed	77.0	0.3	0.0	0.0	0.0
	69.6	WEA022E	E2EM	8080202	Marsh Push	Surveyed	689.0	2.7	0.0	0.0	0.0
	69.8	WEA022F	E2EM	8080202	Marsh Push	Surveyed	129.0	0.7	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	69.9	WEA022G	E2EM	8080202	N/A	Surveyed	144.0	0.7	0.0	0.0	0.0
	69.9	WEA022K	E2EM	8080202	Marsh Push	Surveyed	241.0	1.3	0.0	0.0	0.0
	69.9	WEA022H	E2EM	8080202	Marsh Push	Surveyed	383.0	1.5	0.0	0.0	0.0
	70.0	WEA022I	E2EM	8080202	Marsh Push	Surveyed	137.0	0.6	0.0	0.0	0.0
	70.1	WEA022J	E2EM	8080202	Marsh Push	Surveyed	184.0	0.8	0.0	0.0	0.0
	70.2	WEA023A	E2EM	8080202	Marsh Push	Surveyed	113.0	0.4	0.0	0.0	0.0
	70.2	WEA023B	E2EM	8080202	Marsh Push	Surveyed	5,017.0	20.2	0.0	0.0	0.0
	70.3	WEA023B	E2EM	8080202	Marsh Push	Surveyed	0.0	<0.1	0.0	0.0	0.0
	71.2	WEA024	E2EM	8080202	Marsh Push	Surveyed	462.0	2.2	0.0	0.0	0.0
	71.3	WEA025	E2EM	8080202	Marsh Push	Surveyed	522.0	2.3	0.0	0.0	0.0
	71.4	WEA026	E2EM	8080202	Marsh Push	Surveyed	1,431.0	4.9	0.0	0.0	0.0
	71.8	WEB024B	E2EM	8080202	Marsh Push	Surveyed	3,040.0	12.2	0.0	0.0	0.0
	72.3	WEB023	PEM	8080202	Marsh Push	Surveyed	393.0	1.4	0.0	0.0	0.0
	72.4	WEB024A	E2EM	8080202	Marsh Push	Surveyed	1,186.0	4.2	0.0	0.0	0.0
	72.7	WEB025	PEM	8080202	Marsh Push	Surveyed	21.0	0.1	0.0	0.0	0.0
	72.7	WEB026	E2EM	8080202	Marsh Push	Surveyed	1,650.0	6.6	0.0	0.0	0.0
	73.0	WEB027	E2EM	8080202	Marsh Push	Surveyed	1,465.0	5.6	0.0	0.0	0.0
	73.3	WEB028	PEM	8080202	Marsh Push	Surveyed	1,384.0	7.2	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	73.5	WEB029	PEM	8080202	Marsh Push	Surveyed	2,066.0	7.9	0.0	0.0	0.0
	73.9	WEB030	PEM	8080202	Marsh Push	Surveyed	2,728.0	9.3	0.0	0.0	0.0
	74.5	WEB031	PEM	8080202	Marsh Push	Surveyed	6,272.0	21.0	0.0	0.0	0.0
	74.9	WEB032	PSS	8080202	Marsh Push	Surveyed	80.0	0.4	<0.1	0.0	0.0
	75.7	WEB033	PEM	8080206	Marsh Push	Surveyed	719.0	2.4	0.0	0.0	0.0
	75.8	WEB035A	PEM	8080206	Marsh Push	Surveyed	2,179.0	7.7	0.0	0.0	0.0
	76.1	WEB034	PSS	8080206	Marsh Push	Surveyed	63.0	0.2	<0.1	0.0	0.0
	76.2	WEB036	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	76.3	WEB037	PEM	8080206	Marsh Push	Surveyed	3,092.0	10.9	0.0	0.0	0.0
	76.8	WEB038	PEM	8080206	Marsh Push	Surveyed	4,660.0	16.4	0.0	0.0	0.0
	77.7	WEB039	PEM	8080206	Marsh Push	Surveyed	1,034.0	4.4	0.0	0.0	0.0
	77.7	WEB041	PSS	8080206	Marsh Push	Surveyed	46.0	0.2	<0.1	0.0	0.0
	77.9	WEB042	PSS	8080206	Marsh Push	Surveyed	750.0	2.0	0.2	0.0	0.0
	78.1	WEB401	PEM	8080206	Marsh Push	Surveyed	202.0	0.7	0.0	0.0	0.0
	78.1	WEB059	PEM	8080206	Marsh Push	Surveyed	2,096.0	7.2	0.0	0.0	0.0
	78.5	WEB060	E2EM	8080206	Marsh Push	Surveyed	1,664.0	6.7	0.0	0.0	0.0
	78.9	WEB061	E2EM	8080206	Marsh Push	Surveyed	1,318.0	4.9	0.0	0.0	0.0
	78.9	WEB063	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	78.9	WEB062	PSS	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	79.1	WEB064	E2EM	8080206	Marsh Push	Surveyed	3,823.0	13.1	0.0	0.0	0.0
	79.7	WEB066	E2SS	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	79.9	WEB068	E2EM	8080206	Marsh Push	Surveyed	2,458.0	8.2	0.0	0.0	0.0
	80.4	WEA508	E2EM	8080206	Marsh Push	NWI	1,599.0	5.6	0.0	0.0	0.0
	80.7	WEA509	E2EM	8080206	Marsh Push	Surveyed	1,041.0	3.6	0.0	0.0	0.0
	80.9	WEA510	E2EM	8080206	Marsh Push	Surveyed	42.0	0.1	0.0	0.0	0.0
	80.9	WEA512	E2EM	8080206	Marsh Push	Surveyed	517.0	1.8	0.0	0.0	0.0
	81.1	WEA513	PEM	8080206	Marsh Push	Surveyed	10,311.0	35.5	0.0	0.0	0.0
	82.9	WEA514	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	83.1	WEA516	PEM	8080206	Marsh Push	Surveyed	568.0	1.6	0.0	0.0	0.0
	83.1	WEB070	E2EM	8080206	Marsh Push	Surveyed	0.0	<0.1	0.0	0.0	0.0
	83.2	WEB071	PEM	8080206	Marsh Push	Surveyed	608.0	2.5	0.0	0.0	0.0
	83.3	WEB073	PEM	8080206	Marsh Push	Surveyed	1,167.0	5.9	0.0	0.0	0.0
	83.5	WEB072	PSS	8080206	Marsh Push	Surveyed	41.0	<0.1	<0.1	0.0	0.0
	83.5	WEB075	E2EM	8080206	Marsh Push	Surveyed	944.0	4.3	0.0	0.0	0.0
	83.6	WEB079A	PSS	8080206	Marsh Push	Surveyed	44.0	0.1	<0.1	0.0	0.0
	83.7	WEB077	E2EM	8080206	HDD	Surveyed	45.0	0.0	0.0	0.0	0.1
	83.7	WEB077	E2EM	8080206	Marsh Push	Surveyed	3,712.0	14.2	0.0	0.0	0.0
	84.4	WEB078	PEM	8080206	HDD	Surveyed	229.0	0.0	0.0	0.0	0.3
	84.4	WEB078	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	84.5	WEB080A	PEM	8080206	HDD	Surveyed	28.0	0.0	0.0	0.0	<0.1
	84.5	WEB080B	PEM	8080206	HDD	Surveyed	912.0	0.0	0.0	0.0	1.0
	84.5	WEB080B	PEM	8080206	Open Cut	Surveyed	22.0	2.1	0.0	0.0	0.0
	84.7	WEB080C	PSS	8080206	HDD	Surveyed	673.0	0.0	0.0	0.0	0.8
	84.7	WEB080C	PSS	8080206	Open Cut	Surveyed	674.0	4.1	0.2	0.0	0.0
	84.7	AWEB299	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	84.8	WEB080D	PFO	8080206	HDD	Surveyed	120.0	0.0	0.0	0.0	0.1
	84.8	WEB080D	PFO	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
					CP Express Pipeline Subtotal		***283,916***	***946.7***	***52.0***	***0.0***	***19.3***
Enable Gulf Run Lateral											
	0.0	WEA144	PFO	12010005	Open Cut	Surveyed	47.0	0.1	<0.1	0.0	0.0
	0.0	WEA138	PFO	8080205	Open Cut	Surveyed	1,756.0	3.1	1.2	0.0	0.0
	0.4	WEA131	PFO	8080205	Open Cut	Surveyed	97.0	0.2	0.1	0.0	0.0
	0.6	WEA137	PEM	8080205	Open Cut	Surveyed	24.0	0.1	0.0	0.0	0.0
	0.6	WEA113	PEM	8080205	Open Cut	Surveyed	70.0	0.2	0.0	0.0	0.0
	0.6	WEA133	PFO	8080205	Open Cut	Surveyed	633.0	1.2	0.4	0.0	0.0
	0.8	WEA135	PEM	8080205	Open Cut	Surveyed	317.0	0.9	0.0	0.0	0.0
	0.8	WEA136	PFO	8080205	Open Cut	Surveyed	14.0	<0.1	<0.1	0.0	0.0
	0.8	WEA134	PFO	8080205	N/A	Surveyed	0.0	0.1	<0.1	0.0	0.0
	0.9	WEA132	PFO	8080205	Open Cut	Surveyed	16.0	<0.1	<0.1	0.0	0.0
	0.9	WEA116	PFO	8080205	Open Cut	Surveyed	121.0	0.2	0.1	0.0	0.0
	1.0	WEA115	PFO	8080205	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	1.0	WEA091	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.1	WEA092	PSS	8080205	Open Cut	Surveyed	141.0	0.3	<0.1	0.0	0.0
	1.1	WEA086	PEM	8080205	Open Cut	Surveyed	24.0	0.2	0.0	0.0	0.0
	1.1	WEA090	PSS	8080205	Open Cut	Surveyed	625.0	1.4	0.1	0.0	0.0
	1.2	WEA089	PFO	8080205	Open Cut	Surveyed	870.0	1.5	0.6	0.0	0.0
	1.4	WEA088	PSS	8080205	Open Cut	Surveyed	320.0	0.3	0.1	0.0	0.0
	1.6	WEA085B	PSS	8080205	Open Cut	Surveyed	224.0	0.3	0.1	0.0	0.0
	1.6	WEA084	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	1.6	WEA059	PEM	8080205	Open Cut	Surveyed	871.0	1.8	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	1.8	WEA056	PEM	8080205	Open Cut	Surveyed	1,379.0	2.6	0.0	0.0	0.0
	2.1	WEA055	PEM	8080205	Open Cut	Surveyed	649.0	1.5	0.0	0.0	0.0
	2.2	WEA054	PEM	8080205	Open Cut	Surveyed	715.0	1.5	0.0	0.0	0.0
	2.4	WEA053	PEM	8080205	Open Cut	Surveyed	482.0	1.4	0.0	0.0	0.0
	2.5	WEA051	PEM	8080205	Open Cut	Surveyed	27.0	<0.1	0.0	0.0	0.0
	2.5	WEA050	PEM	8080205	Open Cut	Surveyed	32.0	0.1	0.0	0.0	0.0
	2.6	WEA049	PEM	8080205	Open Cut	Surveyed	865.0	1.8	0.0	0.0	0.0
	2.7	WEA048	PEM	8080205	Open Cut	Surveyed	736.0	1.3	0.0	0.0	0.0
	2.9	WEA046	PEM	8080205	Open Cut	Surveyed	523.0	0.9	0.0	0.0	0.0
	3.0	WEA047	PFO	8080205	Open Cut	Surveyed	719.0	1.5	0.5	0.0	0.0
	3.1	WEA197	PFO	8080205	Open Cut	Surveyed	504.0	1.2	0.3	0.0	0.0
	3.2	WEA068	PEM	8080205	Open Cut	Surveyed	12.0	<0.1	0.0	0.0	0.0
	3.2	WEA067	PSS	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	3.2	WEA069B	PEM	8080205	Open Cut	Surveyed	57.0	0.2	0.0	0.0	0.0
	3.2	WEA069A	PFO	8080205	Open Cut	Surveyed	465.0	1.1	0.3	0.0	0.0
	3.5	WEA199D	PFO	8080205	HDD	Surveyed	434.0	0.0	0.0	0.0	0.5
	3.6	WEA199A	PFO	8080205	HDD	Surveyed	1,080.0	0.0	0.0	0.0	1.2
	4.0	WEA199B	PFO	8080205	HDD	Surveyed	1,234.0	0.0	0.0	0.0	1.4
	4.2	WEA199C	PSS	8080205	HDD	Surveyed	563.0	0.0	0.0	0.0	0.6
	4.3	WEA043	PEM	8080205	HDD	Surveyed	86.0	0.0	0.0	0.0	0.1
	4.3	WEA043	PEM	8080205	Open Cut	Surveyed	3.0	<0.1	0.0	0.0	0.0
	4.7	WEA044	PEM	8080205	Open Cut	Surveyed	162.0	0.2	0.0	0.0	0.0
	4.8	WEA041	PFO	8080205	Open Cut	Surveyed	1,917.0	1.9	1.3	0.0	0.0
	5.0	WEA040	PEM	8080205	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
	5.3	WEA082	PFO	8080205	Open Cut	Surveyed	1,266.0	2.7	0.9	0.0	0.0
	5.6	WEA081	PFO	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	5.7	WEA079	PFO	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
	5.7	WEA080	PFO	8080205	Open Cut	Surveyed	18.0	<0.1	<0.1	0.0	0.0
	5.7	WEA076A	PEM	8080205	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
	5.7	WEA078	PFO	8080205	Open Cut	Surveyed	76.0	0.1	0.1	0.0	0.0
	5.9	WEA074	PFO	8080205	Open Cut	Surveyed	6.0	<0.1	<0.1	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
	5.9	WEA072	PFO	8080205	Open Cut	Surveyed	450.0	0.8	0.3	0.0	0.0
	5.9	WEA071	PEM	8080205	Open Cut	Surveyed	36.0	0.1	0.0	0.0	0.0
				Enable Gulf Run Lateral Subtotal			***20,668.0***	***33.2***	***6.4***	***0.0***	***3.9***
				PIPELINE TOTAL			**304,584**	**979.9**	**58.4**	**0.0**	**23.2**
ACCESS ROADS											
CP Express Pipeline											
Permanent Access Roads											
PAR-CL-110	31.1	NWI-0039	PSS	8080206	N/A	NWI	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	31.7	WEB191	PFO	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	31.8	WEB194	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	31.9	WEB195	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	32.0	WEB197	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	32.0	WEB196	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-110	32.1	AWEA505	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-216.200	44.3	WEB368	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-289	53.2	WEB001	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CM-055	72.7	WEB026	E2EM	8080202	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CM-055	72.7	AWEB025	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-JA-001	0.0	AWEA295A	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA297	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA298	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA299	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA300	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-JA-001	0.0	AWEA306	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA308	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA311	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA312	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA312A	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA314	PEM	12020003	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA315	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
PAR-JA-001	0.0	AWEA320	PFO	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA321	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.0	AWEA322	PSS	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.1	AWEA310	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
PAR-JA-001	0.1	AWEA313B	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	<0.01	0.0
Temporary Access Roads											
TAR-JA-003	1.2	AWEA500	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.3	AWEA501	PEM	12020003	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-JA-003	1.3	AWEA287	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.4	AWEA286	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.4	AWEA270B	PSS	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.5	AWEA291	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.5	AWEA285	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.5	AWEA284	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-JA-003	1.5	WEA284	PEM	12020003	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB434	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB439	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB449	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB450	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB433	PSS	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.2	AWEB443	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.3	AWEB432	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.4	WEA334	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-013	8.5	AWEB442	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-NE-020	11.9	AWEB335	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	12.1	AWEB337	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-NE-020	12.1	AWEB336	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	12.2	AWEB339	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	12.3	AWEB340	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	12.4	AWEB344	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	12.5	AWEB343	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
TAR-NE-020	13.0	AWEB351	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	13.0	AWEB352	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	13.0	AWEB353	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	13.1	AWEB354	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	13.1	AWEB355	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-020	13.5	AWEB356	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-034	16.0	AWEA504	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-034	16.3	AWEA503	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-NE-034	16.0	AWEA502	PEM	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-NE-034	16.4	WEB412	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-NE-034	16.4	WEB408	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-019	22.4	AWEA166	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-019	22.4	WEA166	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-035	23.9	WEC005D	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-035	23.9	AWEC005D	PFO	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CL-035	24.1	WEC006A	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.5	WEC008A	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.5	WEC008B	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.5	AWEA183	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.5	AWEC009D	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.5	AWEA184	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.6	WEC009C	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.6	WEC009D	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA182	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA185	PFO	12010005	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA181	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA186	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA187	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CL-043	24.7	AWEA180	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.8	AWEA188	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.8	AWEA179	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
TAR-CL-043	24.8	AWEA178	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.8	AWEA190	PEM	12010005	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CL-043	24.8	AWEA177	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.9	AWEA189	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	24.9	AWEA191	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.0	AWEA176	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.0	AWEA192	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.1	AWEA175C	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.1	AWEA175A	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.2	AWEA193	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.3	AWEA194	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.3	WEC012	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.3	AWEC012	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.4	WEC013	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.4	WEA195	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.4	AWEA195	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.6	AWEA154	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-043	25.6	AWEA153	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-045	25.8	WEA148	PEM	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-073	26.6	WEA141	PSS	12010005	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-186	39.1	AWEA108	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-186	40.1	WEA106	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-245	48.0	AWEA509	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-245	48.0	WEA503	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-245	48.0	WEB166A	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-262	48.4	WEB170A	E2EM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CL-262	49.0	WEB172	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-262	49.0	AWEB172	PSS	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-262	49.0	AWEB170A	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-001	54.5	WEB007	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-001	55.3	AWEB365	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
TAR-CM-001	55.3	AWEB007	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-001	55.3	WEB013	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-001	55.3	AWEB366	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-001	55.3	AWEB013	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-003	55.9	WEB112	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-003	56.3	AWEB311	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-003	56.3	AWEB312	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-003	56.3	AWEB310	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-003	56.3	AWEB112	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-051	70.2	WEA023B	E2EM	8080202	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-051	70.5	WEB300	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-051	70.5	AWEA023B	E2EM	8080202	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-CM-051	70.7	AWEB301	PEM	8080202	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-051	70.7	AWEB300	PEM	8080202	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-051	70.9	AWEB302	PEM	8080202	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-051	71.0	AWEB303	PEM	8080202	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-051	71.2	AWEB304	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-051	71.4	AWEB306	PEM	8080202	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-CM-051	71.5	AWEB307	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-051	71.6	AWEB308	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-051	71.6	AWEB309	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-065	73.3	WEB028	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-065	73.4	AWEB028	PEM	8080202	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-092	75.8	WEB035A	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-092	76.4	AWEB037	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-092	76.4	AWEB035B	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-115	77.7	WEB039	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-115	77.7	AWEB039	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-134	78.5	WEB060	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-134	78.9	WEB061	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-136	80.3	AWEA506	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
TAR-CM-136	80.5	AWEA507	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-136	81.1	WEB070	E2EM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-136	81.1	WEA513	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-137	83.3	WEB074	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-139	83.7	WEB077	E2EM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-137	83.8	AWEB087B	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-CM-137	83.8	AWEB085	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-137	83.9	AWEB083	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-137	82.1	WEB070	E2EM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-137	84.4	AWEB092	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-137	84.4	AWEB089	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TARCM-143	85.0	WET-L PEM	PEM	8080206	N/A	Surveyed	0.0	0.7	0.0	0.0	0.0
TAR-CM-137	84.0	AWEB082A	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-137	84.3	AWEB093	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-139	84.4	WEB078	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-139	84.4	AWEB078	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CM-137	84.5	AWEB091	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-137	84.5	AWEB090	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-139	84.5	AWEB079B	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CM-143	84.7	WEB080C	PSS	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
TAR-CM-143	84.7	AWEB299	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
			CP Express Pipeline Access Roads Subtotal				***0.0***	***4.6***	***<0.1***	***0.4***	***0.0***
Enable Gulf Run Lateral											
Permanent Access Roads											
PAR-CL-001-E	5.4	AWEA076A	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-001-E	5.7	WEA076A	PEM	8080205	N/A	Surveyed	0.0	0.1	0.0	0.1	0.0
PAR-CL-001-E	5.9	WEA072	PFO	8080205	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
PAR-CL-001-E	5.9	WEA071	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
Temporary Access Roads											
TAR-CL-034-E	0.7	AWEA097	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-034-E	0.9	AWEA093	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-034-E	1.0	AWEA091	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-034-E	1.0	WEA091	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-029-E	2.2	WEA054	PEM	8080205	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
TAR-CL-023-E	3.2	AWEA061	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	4.8	AWEA044	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	4.9	AWEA164	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	5.0	AWEA163B	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	5.5	AWEA163A	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	5.5	AWEA162	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
TAR-CL-016-E	5.6	AWEA161	PEM	8080205	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
			Enable Gulf Run Lateral Access Roads Subtotal				***0.0***	***0.4***	***0.0***	***0.2***	***0.0***
			ACCESS ROADS TOTAL				**0.0**	**5.0**	**<0.1**	**0.6**	**0.0**
CONTRACTOR YARDS											
SP 1 – West Road Contractor Yard	N/A	WEY001	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
SP 1 – West Road	N/A	WEY002	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0

Appendix I
Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
Contractor Yard SP 1 – West Road Contractor Yard	N/A	WEY003	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY004	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY005	PEM	8080206	N/A	Surveyed	0.0	1.5	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY006	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY007	PEM	8080206	N/A	Surveyed	0.0	0.2	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY008	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY009	PEM	8080206	N/A	Surveyed	0.0	<0.1	0.0	0.0	0.0
SP 1 – West Road Contractor Yard	N/A	WEY010	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0
Johnny Breaux Yard	N/A	WEY013	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.0	0.0

Appendix I

Wetlands Crossed by Project

Facility Type or Name	Milepost	Unique ID	Cowardin Class [a]	HUC8	Crossing Method	Survey Type	Crossing Length (feet) [b]	Construction Impacts (acres) [c]	Operation Impacts/ Wetland Conversion (acres) [d]	Permanent Loss (acres)	HDD Impacts Avoided (acres)
				CONTRACTOR YARDS TOTAL			**0.0**	**2.7**	**0.0**	**0.0**	**0.0**
ABOVEGROUND FACILITIES											
CP Express Pipeline											
Compressor Station	44.3	WEB368	PSS	8080206	N/A	Surveyed	1,215.0	32.2	0.0	32.2	0.0
Meter Station	0.0	WEA312	PEM	12020003	N/A	Surveyed	0.0	0.2	0.0	0.2	0.0
Meter Station	0.0	WEB369	PEM	12020003	N/A	Surveyed	0.0	0.1	0.0	0.1	0.0
Meter Station	0.0	WEB372	PFO	12020003	N/A	Surveyed	53.0	2.3	0.0	2.3	0.0
Meter Station	18.0	WEB418	PFO	12010005	N/A	Surveyed	470.0	3.3	0.0	3.3	0.0
Meter Station	18.2	WEB417	PEM	12010005	N/A	Surveyed	12.0	0.1	0.0	0.1	0.0
Meter Station	18.2	WEB416	PFO	12010005	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
Meter Station	44.6	WEA222B	PEM	8080206	N/A	Surveyed	0.0	0.1	0.0	0.1	0.0
Valve Site	53.2	WEB001	E2EM	8080206	N/A	Surveyed	71.0	0.1	0.0	0.1	0.0
Valve Site	72.7	WEB026	E2EM	8080202	N/A	Surveyed	100.0	0.2	0.0	0.2	0.0
				CP Express Pipeline Subtotal			***1,921.0***	***38.7***	***0.0***	***38.7***	***0.0***
Enable Gulf Run Lateral											
Valve Site	0.0	WEA144	PFO	12010005	N/A	Surveyed	8.0	<0.1	0.0	<0.1	0.0
Meter Station	5.9	WEA072	PFO	8080205	N/A	Surveyed	0.0	<0.1	0.0	<0.1	0.0
				Enable Gulf Run Lateral Subtotal			***8.0***	***<0.1***	***0.0***	***<0.1***	***0.0***
				Aboveground Facilities Total			**1,929.0**	**38.7**	**0.0**	**38.7**	**0.0**
				PIPELINE SYSTEM TOTAL			**603,513**	**1,026.3**	**58.4**	**39.3**	**23.2**
				PROJECT TOTAL			**310,035**	**1,420.7**	**58.4**	**394.3**	**23.2**

[a] E2EM = estuarine intertidal emergent; E2SS = estuarine intertidal scrub-shrub; PAB = palustrine aquatic bed; PEM = palustrine emergent; PSS = palustrine scrub-shrub; PFO = palustrine forested; PUB = palustrine unconsolidated bottom

[b] A value of 0 indicates the feature is not crossed by the pipeline centerline.

[c] Construction impacts represent all areas affected by construction, both temporary construction impacts and permanent operational impacts, including the pipeline right-of-way, temporary workspace, additional temporary workspace, contractor yards, access roads, and aboveground facilities.

[d] Values in this column represent PFO and PSS wetlands that may be permanently converted to another wetland type during operation.

[e] These crossings are along the CP Express Pipeline but will be within the Terminal Site boundary.

[f] Wetland designation updated following site investigations conducted in April 2022

Notes: HDD = horizontal directional drill; HUC = Hydrologic Unit Code; N/A = Not crossed by the pipeline centerline]

Totals may not match the sum of addends due to rounding

Appendix J

Visual Renderings of the Terminal Site


Amaco Rd
27
27
Marshall St
Cameron
Creole Nature Trl
1141
KOP-3
Marshall St
Marshall St
PA-3100
1141
Davis Rd
KOP-2
1142
McDaniel
27
KOP-1
Broussard Beach Rd
Davis Rd
This information is for environmental review purposes only.
Louisiana
Houston
Nev
Key Observation Point
CP2 LNG Terminal Facilities
0
1250
2500
Feet
N
W
E
S
1:32,297
CP2 LNG and CP Express Project
Cameron Parish, Louisiana
CP EXPRESS
CP2 LNG
MPLS M:\US\Projects\V-Z\Venture_Global\CP2_ArcGIS\2022\12\CP2_KOP\CP2_KOP.aprx\Overview Terminal | REVISED: 06/20/2023
DRAWN BY: RMR

Daytime Rendering

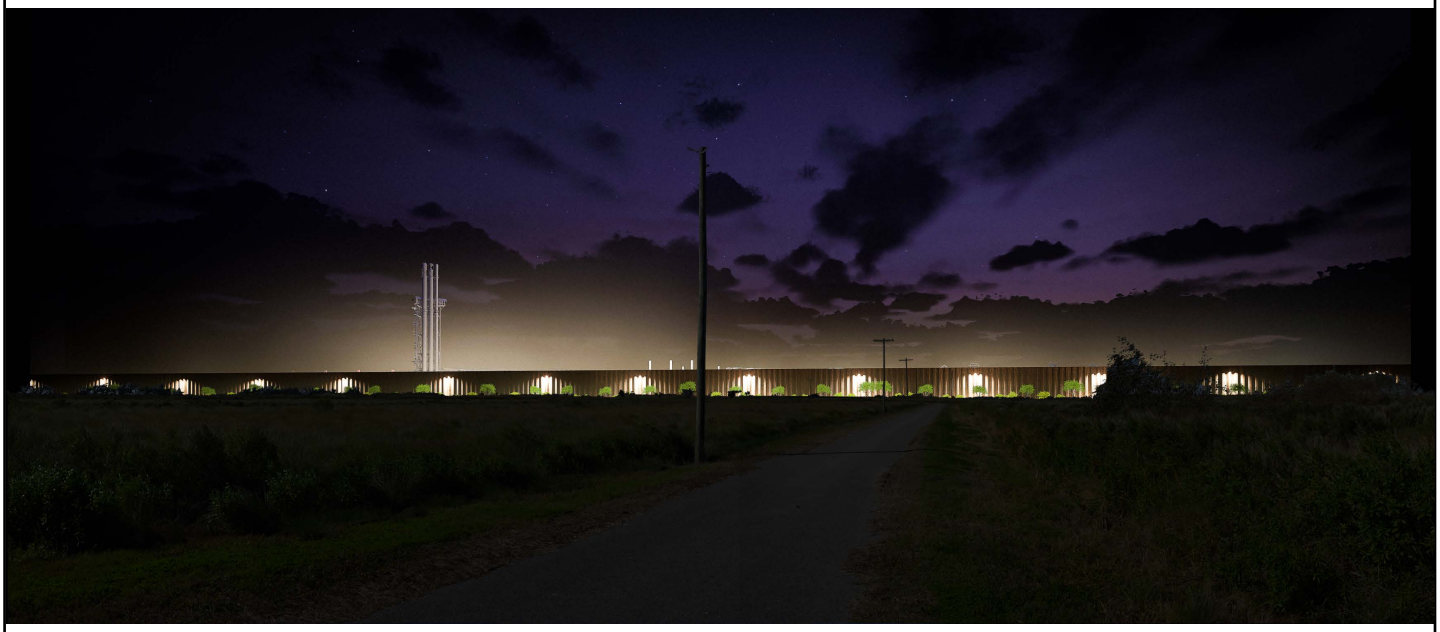
Nighttime Rendering

Key Observation Point 1, Gayle Street
CP2 LNG and CP Express Project
Texas and Louisiana

CP EXPRESS

CP2 LNG

Daytime Rendering



Nighttime Rendering

Key Observation Point 2, Issac Street

CP2 LNG and CP Express Project

Texas and Louisiana

CP EXPRESS

CP2 LNG

Daytime Rendering

Nighttime Rendering

Key Observation Point 3, Ada Street

CP2 LNG and CP Express Project

Texas and Louisiana

CP EXPRESS

CP2 LNG

Appendix K

Predicted Cumulative Concentrations for NAAQS Exceedances of the Project

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilities

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilties								
Pollutant	Averaging Period	Location of NAAQS Exceedance		Modeled Concentration + Backgournd Concentration	NAAQS Standard	Project Only Maximum Concentration Contribution to NAAQS Exceedance (µg/m3)	Project Contribution to the Cumulative Concentration	Distance to the Project NAAQS Exceedance
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	%	km
CO	1-hour	No NAAQS Exceedance	No NAAQS Exceedance	6,612	40,000	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
SO_2	1-hour	No NAAQS Exceedance	No NAAQS Exceedance	121.5	196	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
SO_2	3-hour	No NAAQS Exceedance	No NAAQS Exceedance	74.1	1300	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
SO_2	24-hour	No NAAQS Exceedance	No NAAQS Exceedance	50.2	365	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
$PM_{2.5}$	24-hour	No NAAQS Exceedance	No NAAQS Exceedance	20.5	35	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
$PM_{2.5}$	Annual	No NAAQS Exceedance	No NAAQS Exceedance	9.4	12	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
NO_2	Annual	No NAAQS Exceedance	No NAAQS Exceedance	16.2	100	No NAAQS Exceedance	No NAAQS Exceedance	No NAAQS Exceedance
NO_2	1-hour	466934.9	3293289.5	188.8	188	2.2237	1.1780%	2.0
NO_2	1-hour	466935.3	3293288.2	188.9	188	1.8833	0.9969%	2.0
NO_2	1-hour	466937.3	3293278.6	189.6	188	3.6800	1.9405%	2.0
NO_2	1-hour	466938.5	3293274.2	190.5	188	2.6123	1.3714%	2.0
NO_2	1-hour	466942.8	3293272.1	189.7	188	2.2456	1.1836%	2.0
NO_2	1-hour	466946.8	3293269.6	189.2	188	2.7295	1.4426%	2.0
NO_2	1-hour	466947.8	3293267.8	189.1	188	3.4457	1.8220%	2.0
NO_2	1-hour	466948.2	3293267.0	189.2	188	3.4398	1.8184%	2.0
NO_2	1-hour	466840.0	3293323.7	195.4	188	0.0001	0.0001%	2.1
NO_2	1-hour	466946.4	3293263.1	189.6	188	3.1759	1.6750%	2.0
NO_2	1-hour	466940.5	3293256.7	190.3	188	2.7135	1.4256%	2.0
NO_2	1-hour	466941.5	3293253.2	190.1	188	2.7897	1.4674%	2.0
NO_2	1-hour	466942.6	3293248.8	190.1	188	3.2637	1.7166%	2.0
NO_2	1-hour	466944.5	3293244.0	190.4	188	3.2539	1.7093%	2.0
NO_2	1-hour	466947.5	3293239.9	190.5	188	3.0892	1.6218%	2.0
NO_2	1-hour	466950.0	3293233.6	190.8	188	3.3097	1.7343%	2.0
NO_2	1-hour	466951.0	3293229.2	191.0	188	3.2426	1.6981%	2.0
NO_2	1-hour	466740.0	3293323.7	191.6	188	0.0002	0.0001%	2.1
NO_2	1-hour	466894.6	3293228.4	192.7	188	1.3144	0.6820%	2.0
NO_2	1-hour	466886.7	3293228.3	192.7	188	0.8731	0.4531%	2.0
NO_2	1-hour	466840.0	3293223.7	192.3	188	0.0002	0.0001%	2.1
NO_2	1-hour	466740.0	3293923.7	192.7	188	0.0001	0.0001%	2.0
NO_2	1-hour	466640.0	3293923.7	197.6	188	0.0001	0.0001%	2.1
NO_2	1-hour	466740.0	3293223.7	200.3	188	0.0001	0.0000%	2.2
NO_2	1-hour	467344.9	3292823.7	196.2	188	0.0029	0.0015%	1.9
NO_2	1-hour	466540.0	3293923.7	197.8	188	0.0001	0.0000%	2.2
NO_2	1-hour	466425.6	3293934.9	196.8	188	0.0001	0.0001%	2.3
NO_2	1-hour	466425.3	3293930.0	196.7	188	0.0001	0.0001%	2.3
NO_2	1-hour	466426.8	3293925.7	196.9	188	0.0001	0.0001%	2.3
NO_2	1-hour	466429.2	3293918.5	196.8	188	0.0001	0.0001%	2.3
NO_2	1-hour	466426.1	3293944.1	196.8	188	0.0001	0.0001%	2.3
NO_2	1-hour	466431.4	3293912.1	197.1	188	0.0001	0.0001%	2.3
NO_2	1-hour	467340.0	3292723.7	190.1	188	0.0205	0.0108%	1.9
NO_2	1-hour	466640.0	3294023.7	190.0	188	0.0001	0.0001%	2.1
NO_2	1-hour	467440.0	3292854.9	195.2	188	0.0004	0.0002%	1.8
NO_2	1-hour	466426.3	3293954.3	196.3	188	0.0001	0.0001%	2.3
NO_2	1-hour	466440.0	3293923.7	197.0	188	0.0001	0.0001%	2.3
NO_2	1-hour	466430.5	3293903.8	197.4	188	0.0001	0.0001%	2.3
NO_2	1-hour	467440.0	3292823.7	194.8	188	0.0005	0.0003%	1.8
NO_2	1-hour	466640.0	3293223.7	199.2	188	0.0001	0.0000%	2.3
NO_2	1-hour	466428.0	3293879.2	197.7	188	0.0001	0.0001%	2.3
NO_2	1-hour	466426.0	3293879.4	197.7	188	0.0001	0.0001%	2.3
NO_2	1-hour	466422.6	3293879.6	197.6	188	0.0001	0.0001%	2.3
NO_2	1-hour	466422.5	3293879.3	197.6	188	0.0001	0.0001%	2.3
NO_2	1-hour	466422.5	3293879.1	197.7	188	0.0001	0.0001%	2.3
NO_2	1-hour	466540.0	3294023.7	194.4	188	0.0001	0.0001%	2.2
NO_2	1-hour	466367.2	3293976.2	195.6	188	0.0001	0.0001%	2.4
NO_2	1-hour	466349.7	3293971.5	195.3	188	0.0001	0.0001%	2.4
NO_2	1-hour	466365.1	3293980.2	195.6	188	0.0001	0.0001%	2.4
NO_2	1-hour	466323.9	3293964.5	195.1	188	0.0001	0.0001%	2.4
NO_2	1-hour	466320.6	3293963.6	195.1	188	0.0001	0.0001%	2.4
NO_2	1-hour	466319.2	3293963.2	195.1	188	0.0001	0.0001%	2.4
NO_2	1-hour	466319.1	3293963.3	195.1	188	0.0001	0.0001%	2.4
NO_2	1-hour	466362.1	3293983.3	195.5	188	0.0001	0.0001%	2.4
NO_2	1-hour	466360.6	3293984.9	195.5	188	0.0001	0.0001%	2.4
NO_2	1-hour	466426.7	3294002.7	195.6	188	0.0001	0.0000%	2.3
NO_2	1-hour	467530.5	3292884.6	191.3	188	0.0003	0.0002%	1.7
NO_2	1-hour	467535.0	3292886.1	191.7	188	0.0004	0.0002%	1.7
NO_2	1-hour	466294.9	3293974.1	194.7	188	0.0001	0.0001%	2.5
NO_2	1-hour	467545.4	3292889.5	191.9	188	0.0006	0.0003%	1.7

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilties								
Pollutant	Averaging Period	Location of NAAQS Exceedance		Modeled Concentration + Backgournd Concentration	NAAQS Standard	Project Only Maximum Concentration Contribution to NAAQS Exceedance (µg/m3)	Project Contribution to the Cumulative Concentration	Distance to the Project NAAQS Exceedance
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	467548.2	3292890.9	192.2	188	0.0006	0.0003%	1.7
NO_2	1-hour	466286.8	3293977.7	194.6	188	0.0001	0.0001%	2.5
NO_2	1-hour	466284.7	3293978.7	194.5	188	0.0001	0.0001%	2.5
NO_2	1-hour	466283.3	3293978.1	194.6	188	0.0001	0.0001%	2.5
NO_2	1-hour	466278.9	3293976.2	194.5	188	0.0001	0.0001%	2.5
NO_2	1-hour	466277.0	3293975.5	194.4	188	0.0001	0.0001%	2.5
NO_2	1-hour	466440.0	3294023.7	195.4	188	0.0001	0.0000%	2.3
NO_2	1-hour	467561.5	3292897.9	191.7	188	0.0003	0.0001%	1.7
NO_2	1-hour	466270.2	3293972.5	194.3	188	0.0001	0.0001%	2.5
NO_2	1-hour	466228.6	3293946.9	194.8	188	0.0001	0.0001%	2.5
NO_2	1-hour	466226.5	3293945.4	194.7	188	0.0001	0.0001%	2.5
NO_2	1-hour	466256.0	3293965.8	194.4	188	0.0001	0.0001%	2.5
NO_2	1-hour	466256.8	3293966.3	194.4	188	0.0001	0.0001%	2.5
NO_2	1-hour	466264.2	3293969.9	194.5	188	0.0001	0.0001%	2.5
NO_2	1-hour	466224.7	3293944.2	194.8	188	0.0001	0.0001%	2.5
NO_2	1-hour	466258.6	3293967.6	194.5	188	0.0001	0.0001%	2.5
NO_2	1-hour	466540.0	3293223.7	190.0	188	0.0004	0.0002%	2.4
NO_2	1-hour	466221.1	3293947.0	194.6	188	0.0001	0.0001%	2.5
NO_2	1-hour	466416.8	3293843.6	198.7	188	0.0001	0.0001%	2.4
NO_2	1-hour	467440.0	3292723.7	193.1	188	0.0022	0.0011%	1.9
NO_2	1-hour	466260.7	3293876.0	196.5	188	0.0001	0.0001%	2.5
NO_2	1-hour	466209.4	3293956.0	194.4	188	0.0001	0.0001%	2.6
NO_2	1-hour	467540.0	3292823.7	191.8	188	0.0003	0.0002%	1.7
NO_2	1-hour	466207.7	3293957.3	194.3	188	0.0001	0.0001%	2.6
NO_2	1-hour	466207.5	3293957.1	194.3	188	0.0001	0.0001%	2.6
NO_2	1-hour	466206.7	3293956.2	194.3	188	0.0001	0.0001%	2.6
NO_2	1-hour	467582.0	3292908.6	193.2	188	0.0004	0.0002%	1.6
NO_2	1-hour	466640.0	3293823.7	199.2	188	0.0001	0.0000%	2.1
NO_2	1-hour	466740.0	3293823.7	195.5	188	0.0001	0.0001%	2.0
NO_2	1-hour	466189.4	3293921.4	195.3	188	0.0001	0.0001%	2.6
NO_2	1-hour	466191.2	3293939.8	194.9	188	0.0001	0.0001%	2.6
NO_2	1-hour	466189.9	3293938.5	195.0	188	0.0001	0.0001%	2.6
NO_2	1-hour	466189.1	3293937.6	195.0	188	0.0001	0.0001%	2.6
NO_2	1-hour	466187.2	3293936.1	195.0	188	0.0001	0.0001%	2.6
NO_2	1-hour	466540.0	3293823.7	199.3	188	0.0001	0.0000%	2.2
NO_2	1-hour	466415.1	3293832.6	198.8	188	0.0001	0.0001%	2.4
NO_2	1-hour	466540.0	3293323.7	190.7	188	0.0023	0.0012%	2.3
NO_2	1-hour	466179.0	3293928.2	195.1	188	0.0001	0.0001%	2.6
NO_2	1-hour	466177.9	3293928.8	195.1	188	0.0001	0.0001%	2.6
NO_2	1-hour	466179.3	3293929.9	195.1	188	0.0001	0.0001%	2.6
NO_2	1-hour	466340.0	3294023.7	193.9	188	0.0001	0.0000%	2.4
NO_2	1-hour	466414.2	3293826.7	198.7	188	0.0001	0.0001%	2.4
NO_2	1-hour	466440.0	3293823.7	198.9	188	0.0001	0.0001%	2.3
NO_2	1-hour	466140.0	3293923.7	194.2	188	0.0001	0.0001%	2.6
NO_2	1-hour	466340.0	3293823.7	197.6	188	0.0001	0.0001%	2.4
NO_2	1-hour	466413.3	3293821.0	198.7	188	0.0001	0.0001%	2.4
NO_2	1-hour	466640.0	3293423.7	188.3	188	0.0015	0.0008%	2.2
NO_2	1-hour	466345.0	3293822.2	197.7	188	0.0001	0.0001%	2.4
NO_2	1-hour	466346.7	3293821.1	197.8	188	0.0001	0.0001%	2.4
NO_2	1-hour	467627.2	3292924.0	192.5	188	0.0004	0.0002%	1.6
NO_2	1-hour	466240.0	3294023.7	193.2	188	0.0001	0.0001%	2.5
NO_2	1-hour	467628.2	3292924.3	192.5	188	0.0003	0.0002%	1.6
NO_2	1-hour	466740.0	3293123.7	199.4	188	0.0001	0.0001%	2.2
NO_2	1-hour	466411.2	3293810.7	198.5	188	0.0001	0.0001%	2.4
NO_2	1-hour	467640.0	3292923.7	191.4	188	0.0004	0.0002%	1.6
NO_2	1-hour	466410.9	3293809.1	198.5	188	0.0001	0.0001%	2.4
NO_2	1-hour	466640.0	3293123.7	201.0	188	0.0001	0.0000%	2.3
NO_2	1-hour	467645.0	3292930.2	191.5	188	0.0003	0.0001%	1.6
NO_2	1-hour	466240.0	3293823.7	195.5	188	0.0002	0.0001%	2.5
NO_2	1-hour	466383.3	3293797.8	198.2	188	0.0001	0.0001%	2.4
NO_2	1-hour	466409.5	3293801.6	198.4	188	0.0001	0.0001%	2.4
NO_2	1-hour	466540.0	3293123.7	200.1	188	0.0001	0.0000%	2.4
NO_2	1-hour	466040.0	3293923.7	191.6	188	0.0002	0.0001%	2.7
NO_2	1-hour	466389.5	3293793.9	198.3	188	0.0001	0.0001%	2.4
NO_2	1-hour	467668.8	3292938.3	189.9	188	0.0005	0.0003%	1.6
NO_2	1-hour	466140.0	3294023.7	192.1	188	0.0001	0.0001%	2.6
NO_2	1-hour	467671.4	3292939.3	190.1	188	0.0005	0.0003%	1.5

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilties								
Pollutant	Averaging Period	Location of NAAQS Exceedance		Modeled Concentration + Backgournd Concentration	NAAQS Standard	Project Only Maximum Concentration Contribution to NAAQS Exceedance (µg/m3)	Project Contribution to the Cumulative Concentration	Distance to the Project NAAQS Exceedance
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	466407.4	3293790.9	198.1	188	0.0001	0.0001%	2.4
NO_2	1-hour	466140.0	3293823.7	192.7	188	0.0002	0.0001%	2.6
NO_2	1-hour	466540.0	3294123.7	188.1	188	0.0001	0.0001%	2.2
NO_2	1-hour	466440.0	3293323.7	190.4	188	0.0028	0.0014%	2.4
NO_2	1-hour	466406.3	3293785.1	197.9	188	0.0001	0.0001%	2.4
NO_2	1-hour	466403.2	3293785.1	197.8	188	0.0001	0.0001%	2.4
NO_2	1-hour	466404.4	3293784.4	197.8	188	0.0001	0.0001%	2.4
NO_2	1-hour	466405.9	3293783.4	197.9	188	0.0001	0.0001%	2.4
NO_2	1-hour	466440.0	3293123.7	193.5	188	0.0002	0.0001%	2.5
NO_2	1-hour	467708.1	3292954.6	189.9	188	0.0004	0.0002%	1.5
NO_2	1-hour	465940.0	3293923.7	189.4	188	0.0002	0.0001%	2.8
NO_2	1-hour	466440.0	3294123.7	191.8	188	0.0001	0.0001%	2.3
NO_2	1-hour	466040.0	3294023.7	191.4	188	0.0001	0.0001%	2.7
NO_2	1-hour	467719.2	3292959.2	189.9	188	0.0006	0.0003%	1.5
NO_2	1-hour	466040.0	3293823.7	190.3	188	0.0002	0.0001%	2.7
NO_2	1-hour	467720.5	3292959.8	189.8	188	0.0006	0.0003%	1.5
NO_2	1-hour	466540.0	3293423.7	193.6	188	0.0001	0.0001%	2.3
NO_2	1-hour	466340.0	3294123.7	193.8	188	0.0001	0.0001%	2.4
NO_2	1-hour	467540.0	3292723.7	192.3	188	0.0007	0.0004%	1.8
NO_2	1-hour	467640.0	3292823.7	189.7	188	0.0008	0.0004%	1.7
NO_2	1-hour	467738.9	3292967.4	190.7	188	0.0006	0.0003%	1.5
NO_2	1-hour	467740.4	3292967.9	190.7	188	0.0006	0.0003%	1.5
NO_2	1-hour	466340.0	3293323.7	190.3	188	0.0026	0.0014%	2.5
NO_2	1-hour	467745.8	3292970.2	190.5	188	0.0006	0.0003%	1.5
NO_2	1-hour	465940.0	3294023.7	190.0	188	0.0001	0.0001%	2.8
NO_2	1-hour	466740.0	3292623.7	188.2	188	0.0045	0.0024%	2.5
NO_2	1-hour	466883.1	3293040.4	188.4	188	1.0888	0.5778%	2.1
NO_2	1-hour	466882.6	3293039.0	188.6	188	0.3821	0.2025%	2.1
NO_2	1-hour	467753.8	3292971.6	190.6	188	0.0007	0.0004%	1.5
NO_2	1-hour	466240.0	3294123.7	192.2	188	0.0001	0.0001%	2.5
NO_2	1-hour	466640.0	3293523.7	189.6	188	0.0002	0.0001%	2.2
NO_2	1-hour	466740.0	3293723.7	193.1	188	0.0001	0.0000%	2.1
NO_2	1-hour	467766.0	3292973.9	191.1	188	0.0007	0.0003%	1.5
NO_2	1-hour	466840.0	3293023.7	191.9	188	0.0065	0.0034%	2.2
NO_2	1-hour	467740.0	3292923.7	189.1	188	0.0007	0.0004%	1.5
NO_2	1-hour	466858.9	3293019.4	191.8	188	0.0037	0.0019%	2.2
NO_2	1-hour	466740.0	3293023.7	199.4	188	0.0003	0.0002%	2.3
NO_2	1-hour	466640.0	3293023.7	200.6	188	0.0001	0.0001%	2.4
NO_2	1-hour	467775.3	3292975.5	190.7	188	0.0005	0.0003%	1.4
NO_2	1-hour	466640.0	3293723.7	199.1	188	0.0001	0.0001%	2.1
NO_2	1-hour	467777.5	3292975.3	190.6	188	0.0005	0.0003%	1.4
NO_2	1-hour	466540.0	3293023.7	199.3	188	0.0001	0.0001%	2.4
NO_2	1-hour	466140.0	3294123.7	190.4	188	0.0001	0.0001%	2.6
NO_2	1-hour	466440.0	3293023.7	197.7	188	0.0002	0.0001%	2.5
NO_2	1-hour	466540.0	3293723.7	200.0	188	0.0001	0.0001%	2.2
NO_2	1-hour	466340.0	3293023.7	195.1	188	0.0004	0.0002%	2.6
NO_2	1-hour	467788.1	3292974.8	190.5	188	0.0005	0.0003%	1.4
NO_2	1-hour	466340.0	3292323.7	189.2	188	0.0013	0.0007%	3.0
NO_2	1-hour	466340.0	3293723.7	194.1	188	0.0002	0.0001%	2.4
NO_2	1-hour	466440.0	3293423.7	193.1	188	0.0002	0.0001%	2.4
NO_2	1-hour	466440.0	3293723.7	197.1	188	0.0001	0.0001%	2.3
NO_2	1-hour	466817.3	3292984.8	194.0	188	0.0036	0.0019%	2.2
NO_2	1-hour	466817.3	3292984.2	194.0	188	0.0080	0.0041%	2.2
NO_2	1-hour	466440.0	3292423.7	193.5	188	0.0011	0.0006%	2.8
NO_2	1-hour	466833.0	3292872.2	195.2	188	0.0095	0.0049%	2.3
NO_2	1-hour	466819.1	3292971.2	195.3	188	0.0011	0.0006%	2.2
NO_2	1-hour	466740.0	3292723.7	191.0	188	0.0173	0.0091%	2.4
NO_2	1-hour	466540.0	3293523.7	195.0	188	0.0001	0.0001%	2.3
NO_2	1-hour	466040.0	3294123.7	189.1	188	0.0002	0.0001%	2.7
NO_2	1-hour	466540.0	3292523.7	190.9	188	0.0007	0.0003%	2.7
NO_2	1-hour	467817.9	3292973.1	190.3	188	0.0005	0.0003%	1.4
NO_2	1-hour	466740.0	3292823.7	191.4	188	0.0013	0.0007%	2.4
NO_2	1-hour	467821.6	3292972.9	190.2	188	0.0004	0.0002%	1.4
NO_2	1-hour	466340.0	3293423.7	193.2	188	0.0002	0.0001%	2.5
NO_2	1-hour	466740.0	3292923.7	195.5	188	0.0005	0.0002%	2.3
NO_2	1-hour	466640.0	3292723.7	194.2	188	0.0008	0.0004%	2.5
NO_2	1-hour	466540.0	3293623.7	188.0	188	0.0001	0.0001%	2.3

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilties								
Pollutant	Averaging Period	Location of NAAQS Exceedance		Modeled Concentration + Backgournd Concentration	NAAQS Standard	Project Only Maximum Concentration Contribution to NAAQS Exceedance (µg/m3)	Project Contribution to the Cumulative Concentration	Distance to the Project NAAQS Exceedance
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	466640.0	3292923.7	198.7	188	0.0001	0.0001%	2.4
NO_2	1-hour	467833.2	3292972.3	189.8	188	0.0005	0.0003%	1.4
NO_2	1-hour	466440.0	3293523.7	193.2	188	0.0002	0.0001%	2.4
NO_2	1-hour	466440.0	3292923.7	197.1	188	0.0001	0.0001%	2.6
NO_2	1-hour	466340.0	3292923.7	195.9	188	0.0002	0.0001%	2.7
NO_2	1-hour	466540.0	3292923.7	198.9	188	0.0002	0.0001%	2.5
NO_2	1-hour	467835.7	3292971.6	189.7	188	0.0005	0.0003%	1.4
NO_2	1-hour	467865.5	3293015.6	189.1	188	0.0004	0.0002%	1.4
NO_2	1-hour	466540.0	3292623.7	196.4	188	0.0007	0.0004%	2.6
NO_2	1-hour	467842.8	3292969.8	189.4	188	0.0006	0.0003%	1.4
NO_2	1-hour	466340.0	3294223.7	189.3	188	0.0001	0.0001%	2.4
NO_2	1-hour	466240.0	3292923.7	193.5	188	0.0003	0.0001%	2.8
NO_2	1-hour	466240.0	3293423.7	191.7	188	0.0002	0.0001%	2.6
NO_2	1-hour	466340.0	3292423.7	189.5	188	0.0007	0.0003%	2.9
NO_2	1-hour	467540.0	3292623.7	189.2	188	0.0034	0.0018%	1.9
NO_2	1-hour	467640.0	3292723.7	188.5	188	0.0004	0.0002%	1.7
NO_2	1-hour	467851.4	3292967.7	189.2	188	0.0006	0.0003%	1.4
NO_2	1-hour	466240.0	3294223.7	191.3	188	0.0001	0.0001%	2.5
NO_2	1-hour	467740.0	3292823.7	190.9	188	0.0004	0.0002%	1.6
NO_2	1-hour	466340.0	3293523.7	192.4	188	0.0002	0.0001%	2.5
NO_2	1-hour	466440.0	3292523.7	193.5	188	0.0012	0.0006%	2.8
NO_2	1-hour	466640.0	3292823.7	198.1	188	0.0004	0.0002%	2.4
NO_2	1-hour	466540.0	3292723.7	195.8	188	0.0003	0.0001%	2.6
NO_2	1-hour	466140.0	3294223.7	189.4	188	0.0001	0.0001%	2.6
NO_2	1-hour	466440.0	3292623.7	193.9	188	0.0003	0.0002%	2.7
NO_2	1-hour	467865.4	3292964.1	188.9	188	0.0007	0.0004%	1.4
NO_2	1-hour	467840.0	3292923.7	189.6	188	0.0005	0.0003%	1.4
NO_2	1-hour	466140.0	3293423.7	190.3	188	0.0002	0.0001%	2.7
NO_2	1-hour	466240.0	3293523.7	191.2	188	0.0002	0.0001%	2.6
NO_2	1-hour	466540.0	3292823.7	196.7	188	0.0002	0.0001%	2.5
NO_2	1-hour	466440.0	3292823.7	197.2	188	0.0001	0.0001%	2.6
NO_2	1-hour	466340.0	3292823.7	194.8	188	0.0002	0.0001%	2.7
NO_2	1-hour	466340.0	3292523.7	192.2	188	0.0003	0.0002%	2.9
NO_2	1-hour	466140.0	3293523.7	190.1	188	0.0002	0.0001%	2.7
NO_2	1-hour	466240.0	3292823.7	193.7	188	0.0002	0.0001%	2.8
NO_2	1-hour	466140.0	3292823.7	190.9	188	0.0003	0.0001%	2.9
NO_2	1-hour	466040.0	3293523.7	188.8	188	0.0002	0.0001%	2.8
NO_2	1-hour	466440.0	3292723.7	196.3	188	0.0002	0.0001%	2.7
NO_2	1-hour	466240.0	3292423.7	190.2	188	0.0003	0.0002%	3.0
NO_2	1-hour	466040.0	3293423.7	188.8	188	0.0003	0.0001%	2.8
NO_2	1-hour	467516.5	3294413.8	189.6	188	0.0001	0.0001%	1.3
NO_2	1-hour	466340.0	3292623.7	195.2	188	0.0002	0.0001%	2.8
NO_2	1-hour	467520.2	3294419.7	189.5	188	0.0001	0.0001%	1.3
NO_2	1-hour	467540.3	3294414.0	189.4	188	0.0001	0.0001%	1.3
NO_2	1-hour	467523.8	3294424.9	189.4	188	0.0001	0.0001%	1.3
NO_2	1-hour	467540.0	3294423.7	189.5	188	0.0001	0.0001%	1.3
NO_2	1-hour	466240.0	3292523.7	193.0	188	0.0003	0.0002%	2.9
NO_2	1-hour	467640.0	3292623.7	189.4	188	0.0006	0.0003%	1.8
NO_2	1-hour	466340.0	3292723.7	195.3	188	0.0002	0.0001%	2.8
NO_2	1-hour	466140.0	3292423.7	190.2	188	0.0003	0.0002%	3.1
NO_2	1-hour	466240.0	3292723.7	192.7	188	0.0002	0.0001%	2.8
NO_2	1-hour	466040.0	3292723.7	189.0	188	0.0003	0.0001%	3.0
NO_2	1-hour	466140.0	3292723.7	191.6	188	0.0003	0.0002%	2.9
NO_2	1-hour	466240.0	3292623.7	193.1	188	0.0003	0.0002%	2.9
NO_2	1-hour	467566.6	3294452.2	188.2	188	0.0001	0.0001%	1.3
NO_2	1-hour	466140.0	3294323.7	188.8	188	0.0002	0.0001%	2.6
NO_2	1-hour	466140.0	3292523.7	190.8	188	0.0004	0.0002%	3.0
NO_2	1-hour	467565.6	3294485.1	188.5	188	0.0001	0.0001%	1.3
NO_2	1-hour	466040.0	3292423.7	188.1	188	0.0004	0.0002%	3.2
NO_2	1-hour	467571.1	3294493.4	188.3	188	0.0001	0.0001%	1.3
NO_2	1-hour	467940.0	3292923.7	188.1	188	0.0008	0.0004%	1.4
NO_2	1-hour	467580.5	3294507.3	188.0	188	0.0001	0.0001%	1.3
NO_2	1-hour	466040.0	3292623.7	189.3	188	0.0003	0.0002%	3.1
NO_2	1-hour	466140.0	3292623.7	190.7	188	0.0003	0.0001%	3.0
NO_2	1-hour	466040.0	3292523.7	188.3	188	0.0004	0.0002%	3.1
NO_2	1-hour	467640.0	3292523.7	188.1	188	0.0018	0.0010%	1.9
NO_2	1-hour	467840.0	3292723.7	189.3	188	0.0005	0.0003%	1.6

Predicted Cumulative Concentrations for NAAQS Exceedances at the Terminal Facilties								
Pollutant	Averaging Period	Location of NAAQS Exceedance		Modeled Concentration + Backgournd Concentration	NAAQS Standard	Project Only Maximum Concentration Contribution to NAAQS Exceedance (µg/m3)	Project Contribution to the Cumulative Concentration	Distance to the Project NAAQS Exceedance
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	468077.0	3294412.1	191.3	188	0.0002	0.0001%	0.8
NO_2	1-hour	468106.3	3294369.9	190.8	188	0.0002	0.0001%	0.7
NO_2	1-hour	468116.4	3294369.9	191.2	188	0.0002	0.0001%	0.7
NO_2	1-hour	468077.3	3294450.6	190.6	188	0.0002	0.0001%	0.8
NO_2	1-hour	468140.0	3294423.7	189.0	188	0.0002	0.0001%	0.7
NO_2	1-hour	468140.0	3294523.7	188.6	188	0.0003	0.0001%	0.8

Note: The distance to project imapcts is based on the location CP2CCT5 stack.

Note: The proposed CP2 LNG Project will not cause or contribute to a violation of the 1-hour NO_2 NAAQS

- Low-Income EJ Community
- Venture Global Property Boundary
- Calcasieu Pass LNG Facility
- CP2 LNG Terminal Facilities
- > 1-hour NO_2 NAAQS (188 µg/m³)
- NO_2 Concentration [µg/m³] - 100-103
- NO_2 Concentration [µg/m³] - 103-110
- NO_2 Concentration [µg/m³] - 110-201

CT = Census Tract BG = Block Group

0 1,000 2,000 Feet N

1-Hour NO_2 Concentrations for CP2 LNG Terminal Facilities Impact Analysis

CP2 LNG and CP Express Project
Cameron Parish, Louisiana

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station										
Pollutant	Averaging Period	Location of NAAQS Exceedance [1]		Background Concentration	Modeled Concentration [2]	Modeled Concentration + Backgournd Concentration	NAAQS	Project-Only Concentration Contribution to NAAQS Exceedance	Project-Only Percentage Contribution of the NAAQS Exceedance	Distance to the NAAQS Exceedance [3]
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	km
$PM_{2.5}$	24-hour	459227.4	3329717.5	17.3	27.2	44.5	35	0.0925	0.2080%	0.8
$PM_{2.5}$	24-hour	459227.4	3329617.5	17.3	25.7	43.0	35	0.0744	0.1730%	0.7
$PM_{2.5}$	24-hour	459227.4	3329517.5	17.3	24.6	41.9	35	0.0711	0.1694%	0.6
$PM_{2.5}$	24-hour	459327.4	3329517.5	17.3	23.2	40.5	35	0.0675	0.1666%	0.6
$PM_{2.5}$	24-hour	459327.4	3329417.5	17.3	21.5	38.8	35	0.0772	0.1991%	0.5
$PM_{2.5}$	24-hour	459327.4	3329517.5	17.3	20.5	37.8	35	0.1866	0.4930%	0.6
NO_2	1-hour	458827.4	3330117.5	62.7	200.8	263.5	188	0.0009	0.0003%	1.4
NO_2	1-hour	459027.4	3330217.5	62.7	200.2	262.9	188	0.0009	0.0003%	1.4
NO_2	1-hour	459127.4	3330017.5	62.7	199.1	261.8	188	0.0003	0.0001%	1.1
NO_2	1-hour	459027.4	3330117.5	62.7	199.0	261.7	188	0.0082	0.0031%	1.3
NO_2	1-hour	458927.4	3330117.5	62.7	199.0	261.7	188	0.0008	0.0003%	1.3
NO_2	1-hour	459427.4	3329917.5	62.7	198.8	261.5	188	0.0040	0.0015%	1.0
NO_2	1-hour	459027.4	3330017.5	62.7	198.6	261.3	188	0.0004	0.0001%	1.2
NO_2	1-hour	459027.4	3329917.5	62.7	198.5	261.2	188	0.0003	0.0001%	1.1
NO_2	1-hour	459427.4	3329817.5	62.7	198.5	261.2	188	0.0005	0.0002%	0.9
NO_2	1-hour	459327.4	3329917.5	62.7	198.3	261.0	188	0.0005	0.0002%	1.0
NO_2	1-hour	458927.4	3330017.5	62.7	198.2	260.9	188	0.0078	0.0030%	1.2
NO_2	1-hour	459627.4	3329817.5	62.7	198.2	260.9	188	0.0032	0.0012%	0.9
NO_2	1-hour	459327.4	3329817.5	62.7	198.1	260.8	188	0.0033	0.0013%	0.9
NO_2	1-hour	458827.4	3330017.5	62.7	198.1	260.8	188	0.0005	0.0002%	1.3
NO_2	1-hour	458927.4	3329917.5	62.7	198.0	260.7	188	0.0003	0.0001%	1.1
NO_2	1-hour	459527.4	3329817.5	62.7	197.9	260.6	188	0.0006	0.0002%	0.9
NO_2	1-hour	458927.4	3329817.5	62.7	197.7	260.4	188	0.0003	0.0001%	1.1
NO_2	1-hour	459227.4	3329817.5	62.7	197.6	260.3	188	0.0005	0.0002%	0.9
NO_2	1-hour	458527.4	3329817.5	62.7	197.5	260.2	188	0.0009	0.0003%	1.3
NO_2	1-hour	459727.4	3329817.5	62.7	197.5	260.2	188	0.0033	0.0012%	0.9
NO_2	1-hour	459327.4	3329717.5	62.7	197.5	260.2	188	0.0004	0.0002%	0.8
NO_2	1-hour	459527.4	3329717.5	62.7	197.5	260.2	188	0.0024	0.0009%	0.8
NO_2	1-hour	459227.4	3329717.5	62.7	197.4	260.1	188	0.0028	0.0011%	0.8
NO_2	1-hour	459127.4	3329917.5	62.7	197.3	260.0	188	0.0018	0.0007%	1.0
NO_2	1-hour	459127.4	3329617.5	62.7	197.3	260.0	188	0.0025	0.0010%	0.8
NO_2	1-hour	459227.4	3329917.5	62.7	197.2	259.9	188	0.0006	0.0002%	1.0
NO_2	1-hour	459027.4	3329517.5	62.7	197.1	259.8	188	0.0023	0.0009%	0.8
NO_2	1-hour	458827.4	3329717.5	62.7	197.0	259.7	188	0.0017	0.0007%	1.0
NO_2	1-hour	459227.4	3329617.5	62.7	197.0	259.7	188	0.0004	0.0002%	0.7
NO_2	1-hour	459127.4	3329717.5	62.7	196.8	259.5	188	0.0004	0.0002%	0.9
NO_2	1-hour	458727.4	3329717.5	62.7	196.7	259.4	188	0.0003	0.0001%	1.1
NO_2	1-hour	459627.4	3329717.5	62.7	196.6	259.3	188	0.0023	0.0009%	0.8
NO_2	1-hour	459427.4	3329717.5	62.7	196.6	259.3	188	0.0006	0.0002%	0.8
NO_2	1-hour	459027.4	3329817.5	62.7	196.5	259.2	188	0.0016	0.0006%	1.0
NO_2	1-hour	459127.4	3329817.5	62.7	196.3	259.0	188	0.0006	0.0002%	1.0
NO_2	1-hour	458627.4	3329817.5	62.7	196.2	258.9	188	0.0079	0.0031%	1.2
NO_2	1-hour	459427.4	3329617.5	62.7	196.1	258.8	188	0.0005	0.0002%	0.7
NO_2	1-hour	458927.4	3329417.5	62.7	196.1	258.8	188	0.0024	0.0009%	0.7
NO_2	1-hour	459027.4	3329617.5	62.7	196.1	258.8	188	0.0004	0.0002%	0.8
NO_2	1-hour	459127.4	3329517.5	62.7	196.1	258.8	188	0.0004	0.0002%	0.7
NO_2	1-hour	458727.4	3329617.5	62.7	196.0	258.7	188	0.0017	0.0007%	1.0
NO_2	1-hour	459527.4	3329617.5	62.7	196.0	258.7	188	0.0017	0.0007%	0.7
NO_2	1-hour	458627.4	3329617.5	62.7	195.9	258.6	188	0.0003	0.0001%	1.1
NO_2	1-hour	458927.4	3329517.5	62.7	195.9	258.6	188	0.0004	0.0002%	0.8
NO_2	1-hour	458627.4	3329717.5	62.7	195.7	258.4	188	0.0004	0.0001%	1.2
NO_2	1-hour	459027.4	3329717.5	62.7	195.6	258.3	188	0.0005	0.0002%	0.9
NO_2	1-hour	459927.4	3329817.5	62.7	195.6	258.3	188	0.0035	0.0014%	1.0
NO_2	1-hour	458927.4	3329717.5	62.7	195.6	258.3	188	0.0015	0.0006%	1.0
NO_2	1-hour	459027.4	3329417.5	62.7	195.5	258.2	188	0.0004	0.0002%	0.7
NO_2	1-hour	459727.4	3329717.5	62.7	195.5	258.2	188	0.0025	0.0009%	0.8
NO_2	1-hour	458527.4	3329617.5	62.7	195.4	258.1	188	0.0004	0.0001%	1.2
NO_2	1-hour	458527.4	3329717.5	62.7	195.3	258.0	188	0.0080	0.0031%	1.2
NO_2	1-hour	459827.4	3329717.5	62.7	195.2	257.9	188	0.0025	0.0010%	0.8
NO_2	1-hour	459627.4	3329617.5	62.7	195.2	257.9	188	0.0017	0.0007%	0.7
NO_2	1-hour	459427.4	3329517.5	62.7	195.2	257.9	188	0.0013	0.0005%	0.6
NO_2	1-hour	459327.4	3329617.5	62.7	195.1	257.8	188	0.0006	0.0002%	0.7
NO_2	1-hour	458827.4	3329317.5	62.7	195.1	257.8	188	0.0025	0.0010%	0.8
NO_2	1-hour	458627.4	3329517.5	62.7	195.1	257.8	188	0.0018	0.0007%	1.1
NO_2	1-hour	458927.4	3329617.5	62.7	195.1	257.8	188	0.0004	0.0002%	0.9
NO_2	1-hour	459327.4	3329517.5	62.7	194.8	257.5	188	0.0005	0.0002%	0.6
NO_2	1-hour	458827.4	3329617.5	62.7	194.8	257.5	188	0.0015	0.0006%	1.0
NO_2	1-hour	459927.4	3329717.5	62.7	194.8	257.5	188	0.0175	0.0068%	0.9
NO_2	1-hour	458927.4	3329317.5	62.7	194.7	257.4	188	0.0004	0.0002%	0.7
NO_2	1-hour	458827.4	3329517.5	62.7	194.7	257.4	188	0.0004	0.0002%	0.9
NO_2	1-hour	459827.4	3329617.5	62.7	194.6	257.3	188	0.0020	0.0008%	0.8
NO_2	1-hour	458727.4	3329217.5	62.7	194.6	257.3	188	0.0029	0.0011%	0.8
NO_2	1-hour	458727.4	3329517.5	62.7	194.5	257.2	188	0.0003	0.0001%	1.0
NO_2	1-hour	459727.4	3329617.5	62.7	194.5	257.2	188	0.0017	0.0007%	0.7

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station										
Pollutant	Averaging Period	Location of NAAQS Exceedance [1]		Background Concentration	Modeled Concentration [2]	Modeled Concentration + Backgournd Concentration	NAAQS	Project-Only Concentration Contribution to NAAQS Exceedance	Project-Only Percentage Contribution of the NAAQS Exceedance	Distance to the NAAQS Exceedance [3]
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	458827.4	3329417.5	62.7	194.5	257.2	188	0.0004	0.0002%	0.8
NO_2	1-hour	459527.4	3329517.5	62.7	194.4	257.1	188	0.0013	0.0005%	0.6
NO_2	1-hour	459627.4	3329517.5	62.7	194.3	257.0	188	0.0012	0.0005%	0.6
NO_2	1-hour	459327.4	3329417.5	62.7	194.3	257.0	188	0.0011	0.0004%	0.5
NO_2	1-hour	458727.4	3329317.5	62.7	194.3	257.0	188	0.0005	0.0002%	0.9
NO_2	1-hour	458727.4	3329417.5	62.7	194.3	257.0	188	0.0005	0.0002%	0.9
NO_2	1-hour	458527.4	3329417.5	62.7	194.1	256.8	188	0.0020	0.0008%	1.1
NO_2	1-hour	458627.4	3329417.5	62.7	194.1	256.8	188	0.0003	0.0001%	1.0
NO_2	1-hour	459227.4	3329517.5	62.7	194.1	256.8	188	0.0005	0.0002%	0.6
NO_2	1-hour	458627.4	3329117.5	62.7	193.9	256.6	188	0.0035	0.0014%	0.9
NO_2	1-hour	458827.4	3329217.5	62.7	193.8	256.5	188	0.0005	0.0002%	0.7
NO_2	1-hour	459927.4	3329617.5	62.7	193.8	256.5	188	0.0003	0.0001%	0.8
NO_2	1-hour	459727.4	3329517.5	62.7	193.7	256.4	188	0.0014	0.0005%	0.6
NO_2	1-hour	459427.4	3329417.5	62.7	193.6	256.3	188	0.0011	0.0004%	0.5
NO_2	1-hour	459527.4	3329417.5	62.7	193.6	256.3	188	0.0009	0.0004%	0.5
NO_2	1-hour	459827.4	3329517.5	62.7	193.6	256.3	188	0.0003	0.0001%	0.7
NO_2	1-hour	459227.4	3329417.5	62.7	193.5	256.2	188	0.0005	0.0002%	0.6
NO_2	1-hour	459227.4	3329317.5	62.7	193.4	256.1	188	0.0004	0.0001%	0.5
NO_2	1-hour	460127.4	3329517.5	62.7	193.4	256.1	188	0.0059	0.0023%	0.8
NO_2	1-hour	458627.4	3329317.5	62.7	193.2	255.9	188	0.0005	0.0002%	1.0
NO_2	1-hour	459927.4	3329517.5	62.7	193.2	255.9	188	0.0002	0.0001%	0.7
NO_2	1-hour	459127.4	3329417.5	62.7	193.1	255.8	188	0.0003	0.0001%	0.6
NO_2	1-hour	458627.4	3329217.5	62.7	193.0	255.7	188	0.0005	0.0002%	0.9
NO_2	1-hour	460127.4	3329417.5	62.7	193.0	255.7	188	0.0051	0.0020%	0.8
NO_2	1-hour	459427.4	3329317.5	62.7	192.9	255.6	188	0.0008	0.0003%	0.4
NO_2	1-hour	458727.4	3329117.5	62.7	192.9	255.6	188	0.0005	0.0002%	0.8
NO_2	1-hour	459627.4	3329417.5	62.7	192.9	255.6	188	0.0011	0.0004%	0.5
NO_2	1-hour	460027.4	3329517.5	62.7	192.8	255.5	188	0.0051	0.0020%	0.8
NO_2	1-hour	459327.4	3329317.5	62.7	192.7	255.4	188	0.0010	0.0004%	0.4
NO_2	1-hour	459727.4	3329417.5	62.7	192.7	255.4	188	0.0003	0.0001%	0.5
NO_2	1-hour	458527.4	3329117.5	62.7	192.6	255.3	188	0.0006	0.0002%	1.0
NO_2	1-hour	459827.4	3329417.5	62.7	192.6	255.3	188	0.0003	0.0001%	0.6
NO_2	1-hour	458527.4	3329217.5	62.7	192.5	255.2	188	0.0005	0.0002%	1.0
NO_2	1-hour	460027.4	3329317.5	62.7	192.4	255.1	188	0.0036	0.0014%	0.6
NO_2	1-hour	460027.4	3329417.5	62.7	192.4	255.1	188	0.0042	0.0017%	0.7
NO_2	1-hour	459127.4	3329217.5	62.7	192.4	255.1	188	0.0003	0.0001%	0.5
NO_2	1-hour	459927.4	3329417.5	62.7	192.3	255.0	188	0.0035	0.0014%	0.6
NO_2	1-hour	459127.4	3329317.5	62.7	192.3	255.0	188	0.0005	0.0002%	0.5
NO_2	1-hour	459327.4	3329217.5	62.7	192.2	254.9	188	0.0043	0.0017%	0.3
NO_2	1-hour	459027.4	3329317.5	62.7	192.2	254.9	188	0.0004	0.0001%	0.6
NO_2	1-hour	459527.4	3329317.5	62.7	192.2	254.9	188	0.0004	0.0002%	0.4
NO_2	1-hour	459927.4	3329317.5	62.7	192.1	254.8	188	0.0029	0.0011%	0.6
NO_2	1-hour	459627.4	3329317.5	62.7	192.1	254.8	188	0.0004	0.0001%	0.4
NO_2	1-hour	459727.4	3329317.5	62.7	192.0	254.7	188	0.0004	0.0001%	0.4
NO_2	1-hour	459227.4	3329217.5	62.7	191.9	254.6	188	0.0009	0.0004%	0.4
NO_2	1-hour	459827.4	3329317.5	62.7	191.7	254.4	188	0.0003	0.0001%	0.5
NO_2	1-hour	458627.4	3329017.5	62.7	191.6	254.3	188	0.0005	0.0002%	0.9
NO_2	1-hour	458927.4	3329217.5	62.7	191.6	254.3	188	0.0004	0.0001%	0.6
NO_2	1-hour	459927.4	3329217.5	62.7	191.6	254.3	188	0.0025	0.0010%	0.5
NO_2	1-hour	459827.4	3329217.5	62.7	191.4	254.1	188	0.0020	0.0008%	0.4
NO_2	1-hour	459027.4	3329217.5	62.7	191.4	254.1	188	0.0003	0.0001%	0.6
NO_2	1-hour	459027.4	3329117.5	62.7	191.4	254.1	188	0.0002	0.0001%	0.5
NO_2	1-hour	459227.4	3329117.5	62.7	191.3	254.0	188	0.0046	0.0018%	0.3
NO_2	1-hour	459727.4	3329217.5	62.7	191.2	253.9	188	0.0004	0.0001%	0.4
NO_2	1-hour	459127.4	3329117.5	62.7	191.1	253.8	188	0.0010	0.0004%	0.4
NO_2	1-hour	458827.4	3329117.5	62.7	191.0	253.7	188	0.0004	0.0002%	0.7
NO_2	1-hour	459746.4	3329095.7	62.7	190.8	253.5	188	0.0017	0.0007%	0.3
NO_2	1-hour	460227.4	3329417.5	62.7	190.8	253.5	188	0.0061	0.0024%	0.9
NO_2	1-hour	458927.4	3329017.5	62.7	190.8	253.5	188	0.0002	0.0001%	0.6
NO_2	1-hour	459746.4	3329085.0	62.7	190.7	253.4	188	0.0017	0.0007%	0.3
NO_2	1-hour	459786.1	3329095.9	62.7	190.7	253.4	188	0.0018	0.0007%	0.3
NO_2	1-hour	459827.4	3329117.5	62.7	190.7	253.4	188	0.0019	0.0007%	0.4
NO_2	1-hour	459127.4	3329017.5	62.7	190.7	253.4	188	0.0054	0.0021%	0.4
NO_2	1-hour	459607.2	3329097.4	62.7	190.6	253.3	188	0.0007	0.0003%	0.2
NO_2	1-hour	459707.1	3329096.2	62.7	190.6	253.3	188	0.0017	0.0007%	0.3
NO_2	1-hour	459027.4	3329017.5	62.7	190.6	253.3	188	0.0003	0.0001%	0.5
NO_2	1-hour	459557.2	3329098.0	62.7	190.5	253.2	188	0.0007	0.0003%	0.2
NO_2	1-hour	458927.4	3329117.5	62.7	190.5	253.2	188	0.0002	0.0001%	0.6
NO_2	1-hour	459786.0	3329075.9	62.7	190.4	253.1	188	0.0018	0.0007%	0.3
NO_2	1-hour	459816.1	3329095.6	62.7	190.4	253.1	188	0.0019	0.0007%	0.3
NO_2	1-hour	459227.4	3328917.5	62.7	190.3	253.0	188	0.0064	0.0025%	0.3
NO_2	1-hour	458827.4	3328917.5	62.7	190.2	252.9	188	0.0002	0.0001%	0.7
NO_2	1-hour	458727.4	3329017.5	62.7	190.2	252.9	188	0.0005	0.0002%	0.8
NO_2	1-hour	459227.4	3329017.5	62.7	190.1	252.8	188	0.0017	0.0007%	0.3

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station										
Pollutant	Averaging Period	Location of NAAQS Exceedance [1]		Background Concentration	Modeled Concentration [2]	Modeled Concentration + Backgournd Concentration	NAAQS	Project-Only Concentration Contribution to NAAQS Exceedance	Project-Only Percentage Contribution of the NAAQS Exceedance	Distance to the NAAQS Exceedance [3]
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	460127.4	3329317.5	62.7	190.0	252.7	188	0.0044	0.0018%	0.7
NO_2	1-hour	459027.4	3328917.5	62.7	190.0	252.7	188	0.0157	0.0062%	0.5
NO_2	1-hour	459746.4	3329035.0	62.7	189.9	252.6	188	0.0019	0.0007%	0.3
NO_2	1-hour	459127.4	3328817.5	62.7	189.7	252.4	188	0.0082	0.0033%	0.4
NO_2	1-hour	458827.4	3329017.5	62.7	189.7	252.4	188	0.0002	0.0001%	0.7
NO_2	1-hour	458927.4	3328917.5	62.7	189.7	252.4	188	0.0003	0.0001%	0.6
NO_2	1-hour	460027.4	3329217.5	62.7	189.5	252.2	188	0.0031	0.0012%	0.6
NO_2	1-hour	458927.4	3328817.5	62.7	189.5	252.2	188	0.0446	0.0177%	0.6
NO_2	1-hour	459127.4	3328917.5	62.7	189.4	252.1	188	0.0027	0.0011%	0.4
NO_2	1-hour	459866.1	3329095.1	62.7	189.4	252.1	188	0.0020	0.0008%	0.4
NO_2	1-hour	458827.4	3328817.5	62.7	189.4	252.1	188	0.0033	0.0013%	0.7
NO_2	1-hour	458727.4	3328817.5	62.7	189.3	252.0	188	0.0004	0.0001%	0.8
NO_2	1-hour	459027.4	3328717.5	62.7	189.3	252.0	188	0.0106	0.0042%	0.5
NO_2	1-hour	459785.8	3329025.9	62.7	189.2	251.9	188	0.0019	0.0007%	0.3
NO_2	1-hour	459227.4	3328817.5	62.7	189.1	251.8	188	0.0277	0.0110%	0.3
NO_2	1-hour	459881.8	3329095.0	62.7	189.0	251.7	188	0.0020	0.0008%	0.4
NO_2	1-hour	459227.4	3328717.5	62.7	188.9	251.6	188	0.0400	0.0159%	0.4
NO_2	1-hour	458727.4	3328917.5	62.7	188.8	251.5	188	0.0002	0.0001%	0.8
NO_2	1-hour	458927.4	3328617.5	62.7	188.7	251.4	188	0.0131	0.0052%	0.7
NO_2	1-hour	459027.4	3328817.5	62.7	188.7	251.4	188	0.0045	0.0018%	0.5
NO_2	1-hour	459927.4	3329117.5	62.7	188.7	251.4	188	0.0022	0.0009%	0.5
NO_2	1-hour	459746.4	3328985.0	62.7	188.6	251.3	188	0.0020	0.0008%	0.2
NO_2	1-hour	459127.4	3328717.5	62.7	188.6	251.3	188	0.0312	0.0124%	0.4
NO_2	1-hour	458627.4	3328717.5	62.7	188.3	251.0	188	0.0005	0.0002%	0.9
NO_2	1-hour	458727.4	3328717.5	62.7	188.3	251.0	188	0.0081	0.0032%	0.8
NO_2	1-hour	459127.4	3328617.5	62.7	188.3	251.0	188	0.0402	0.0160%	0.5
NO_2	1-hour	458827.4	3328717.5	62.7	188.2	250.9	188	0.1153	0.0460%	0.7
NO_2	1-hour	460227.4	3329317.5	62.7	188.2	250.9	188	0.0054	0.0021%	0.8
NO_2	1-hour	458927.4	3328717.5	62.7	188.1	250.8	188	0.0056	0.0022%	0.6
NO_2	1-hour	458627.4	3328817.5	62.7	188.0	250.7	188	0.0002	0.0001%	0.9
NO_2	1-hour	458827.4	3328517.5	62.7	188.0	250.7	188	0.0162	0.0065%	0.8
NO_2	1-hour	459027.4	3328617.5	62.7	187.9	250.6	188	0.0338	0.0135%	0.6
NO_2	1-hour	459027.4	3328517.5	62.7	187.9	250.6	188	0.0429	0.0171%	0.6
NO_2	1-hour	458627.4	3328617.5	62.7	187.8	250.5	188	0.0201	0.0080%	0.9
NO_2	1-hour	459881.6	3329045.0	62.7	187.7	250.4	188	0.0017	0.0007%	0.4
NO_2	1-hour	459785.6	3328975.9	62.7	187.6	250.3	188	0.0015	0.0006%	0.3
NO_2	1-hour	459227.4	3328617.5	62.7	187.5	250.2	188	0.0494	0.0197%	0.4
NO_2	1-hour	458927.4	3328417.5	62.7	187.5	250.2	188	0.0426	0.0170%	0.8
NO_2	1-hour	458927.4	3328517.5	62.7	187.4	250.1	188	0.0360	0.0144%	0.7
NO_2	1-hour	460127.4	3329217.5	62.7	187.3	250.0	188	0.0038	0.0015%	0.7
NO_2	1-hour	458727.4	3328617.5	62.7	187.3	250.0	188	0.2401	0.0960%	0.8
NO_2	1-hour	459127.4	3328517.5	62.7	187.1	249.8	188	0.0490	0.0196%	0.6
NO_2	1-hour	459746.4	3328935.0	62.7	187.1	249.8	188	0.0017	0.0007%	0.2
NO_2	1-hour	458827.4	3328617.5	62.7	187.1	249.8	188	0.0078	0.0031%	0.8
NO_2	1-hour	458827.4	3328317.5	62.7	186.9	249.6	188	0.0430	0.0172%	0.9
NO_2	1-hour	458727.4	3328417.5	62.7	186.9	249.6	188	0.0181	0.0073%	0.9
NO_2	1-hour	459027.4	3328417.5	62.7	186.9	249.6	188	0.0482	0.0193%	0.7
NO_2	1-hour	458827.4	3328417.5	62.7	186.8	249.5	188	0.0376	0.0151%	0.9
NO_2	1-hour	460027.4	3329117.5	62.7	186.8	249.5	188	0.0026	0.0010%	0.6
NO_2	1-hour	459327.4	3328617.5	62.7	186.7	249.4	188	0.0841	0.0337%	0.4
NO_2	1-hour	459785.4	3328933.8	62.7	186.7	249.4	188	0.0016	0.0006%	0.3
NO_2	1-hour	458627.4	3328517.5	62.7	186.6	249.3	188	0.3742	0.1501%	1.0
NO_2	1-hour	459793.3	3328933.7	62.7	186.3	249.0	188	0.0016	0.0006%	0.3
NO_2	1-hour	459881.5	3328995.0	62.7	186.3	249.0	188	0.0017	0.0007%	0.4
NO_2	1-hour	458927.4	3328317.5	62.7	186.2	248.9	188	0.0525	0.0211%	0.8
NO_2	1-hour	460327.4	3329317.5	62.7	186.2	248.9	188	0.0031	0.0012%	0.9
NO_2	1-hour	458727.4	3328217.5	62.7	186.2	248.9	188	0.0425	0.0171%	1.1
NO_2	1-hour	458727.4	3328517.5	62.7	186.0	248.7	188	0.0098	0.0039%	0.9
NO_2	1-hour	459227.4	3328517.5	62.7	186.0	248.7	188	0.1256	0.0505%	0.5
NO_2	1-hour	459927.4	3329017.5	62.7	185.9	248.6	188	0.0019	0.0007%	0.4
NO_2	1-hour	459746.4	3328885.0	62.7	185.9	248.6	188	0.0017	0.0007%	0.2
NO_2	1-hour	458727.4	3328317.5	62.7	185.9	248.6	188	0.0397	0.0160%	1.0
NO_2	1-hour	458827.4	3328217.5	62.7	185.6	248.3	188	0.0553	0.0223%	1.0
NO_2	1-hour	460227.4	3329217.5	62.7	185.6	248.3	188	0.0021	0.0009%	0.8
NO_2	1-hour	459127.4	3328417.5	62.7	185.3	248.0	188	0.1821	0.0734%	0.6
NO_2	1-hour	459843.3	3328933.3	62.7	185.2	247.9	188	0.0016	0.0006%	0.3
NO_2	1-hour	459827.4	3328917.5	62.7	185.1	247.8	188	0.0016	0.0006%	0.3
NO_2	1-hour	458627.4	3328417.5	62.7	184.9	247.6	188	0.0117	0.0047%	1.0
NO_2	1-hour	459027.4	3328317.5	62.7	184.8	247.5	188	0.2507	0.1013%	0.8
NO_2	1-hour	459881.3	3328945.0	62.7	184.7	247.4	188	0.0017	0.0007%	0.4
NO_2	1-hour	459427.4	3328617.5	62.7	184.7	247.4	188	0.0410	0.0166%	0.3
NO_2	1-hour	460127.4	3329117.5	62.7	184.6	247.3	188	0.0045	0.0018%	0.6
NO_2	1-hour	459746.4	3328835.0	62.7	184.4	247.1	188	0.0018	0.0007%	0.3
NO_2	1-hour	459881.3	3328933.0	62.7	184.3	247.0	188	0.0017	0.0007%	0.4

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station										
Pollutant	Averaging Period	Location of NAAQS Exceedance [1]		Background Concentration	Modeled Concentration [2]	Modeled Concentration + Backgournd Concentration	NAAQS	Project-Only Concentration Contribution to NAAQS Exceedance	Project-Only Percentage Contribution of the NAAQS Exceedance	Distance to the NAAQS Exceedance [3]
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	458927.4	3328217.5	62.7	184.1	246.8	188	0.3246	0.1315%	0.9
NO_2	1-hour	459327.4	3328517.5	62.7	184.1	246.8	188	0.0752	0.0305%	0.5
NO_2	1-hour	459724.3	3328803.1	62.7	183.9	246.6	188	0.0020	0.0008%	0.3
NO_2	1-hour	459613.1	3328720.4	62.7	183.9	246.6	188	0.0118	0.0048%	0.2
NO_2	1-hour	460027.4	3329017.5	62.7	183.8	246.5	188	0.0031	0.0013%	0.5
NO_2	1-hour	459727.9	3328803.2	62.7	183.8	246.5	188	0.0019	0.0008%	0.3
NO_2	1-hour	460327.4	3328617.5	62.7	183.5	246.2	188	0.0061	0.0025%	0.9
NO_2	1-hour	459627.4	3328717.5	62.7	183.5	246.2	188	0.0091	0.0037%	0.3
NO_2	1-hour	459746.4	3328803.5	62.7	183.4	246.1	188	0.0016	0.0007%	0.3
NO_2	1-hour	459227.4	3328417.5	62.7	183.3	246.0	188	0.1271	0.0517%	0.6
NO_2	1-hour	460327.4	3328717.5	62.7	183.2	245.9	188	0.0002	0.0001%	0.9
NO_2	1-hour	459927.4	3328917.5	62.7	183.1	245.8	188	0.0024	0.0010%	0.4
NO_2	1-hour	460227.4	3328517.5	62.7	182.9	245.6	188	0.0054	0.0022%	0.8
NO_2	1-hour	459663.1	3328719.8	62.7	182.7	245.4	188	0.0048	0.0019%	0.3
NO_2	1-hour	460227.4	3329117.5	62.7	182.6	245.3	188	0.0019	0.0008%	0.7
NO_2	1-hour	459127.4	3328317.5	62.7	182.6	245.3	188	0.1980	0.0807%	0.7
NO_2	1-hour	460227.4	3328617.5	62.7	182.5	245.2	188	0.0002	0.0001%	0.8
NO_2	1-hour	459724.9	3328756.7	62.7	182.4	245.1	188	0.0019	0.0008%	0.3
NO_2	1-hour	460127.4	3328417.5	62.7	182.4	245.1	188	0.0001	0.0001%	0.8
NO_2	1-hour	459827.4	3328817.5	62.7	182.2	244.9	188	0.0020	0.0008%	0.3
NO_2	1-hour	459427.4	3328517.5	62.7	181.9	244.6	188	0.0365	0.0149%	0.4
NO_2	1-hour	459027.4	3328217.5	62.7	181.9	244.6	188	0.2815	0.1151%	0.9
NO_2	1-hour	460127.4	3328517.5	62.7	181.8	244.5	188	0.0002	0.0001%	0.8
NO_2	1-hour	460127.4	3329017.5	62.7	181.8	244.5	188	0.0013	0.0005%	0.6
NO_2	1-hour	460327.4	3328817.5	62.7	181.8	244.5	188	0.0035	0.0014%	0.8
NO_2	1-hour	460027.4	3328317.5	62.7	181.8	244.5	188	0.0001	0.0001%	0.8
NO_2	1-hour	459713.1	3328719.2	62.7	181.7	244.4	188	0.0025	0.0010%	0.3
NO_2	1-hour	459725.4	3328719.0	62.7	181.6	244.3	188	0.0022	0.0009%	0.3
NO_2	1-hour	459727.4	3328717.5	62.7	181.6	244.3	188	0.0022	0.0009%	0.3
NO_2	1-hour	460027.4	3328917.5	62.7	181.2	243.9	188	0.0011	0.0004%	0.5
NO_2	1-hour	459327.4	3328417.5	62.7	181.2	243.9	188	0.0774	0.0317%	0.6
NO_2	1-hour	458927.4	3328117.5	62.7	181.2	243.9	188	0.3698	0.1516%	1.0
NO_2	1-hour	459927.4	3328217.5	62.7	181.1	243.8	188	0.0002	0.0001%	0.8
NO_2	1-hour	459627.4	3328617.5	62.7	181.0	243.7	188	0.0069	0.0028%	0.3
NO_2	1-hour	460027.4	3328417.5	62.7	180.9	243.6	188	0.0011	0.0005%	0.7
NO_2	1-hour	459927.4	3328817.5	62.7	180.7	243.4	188	0.0010	0.0004%	0.4
NO_2	1-hour	460227.4	3328717.5	62.7	180.7	243.4	188	0.0028	0.0011%	0.8
NO_2	1-hour	459227.4	3328317.5	62.7	180.4	243.1	188	0.1376	0.0566%	0.7
NO_2	1-hour	459527.4	3328517.5	62.7	180.3	243.0	188	0.0183	0.0075%	0.4
NO_2	1-hour	459827.4	3328717.5	62.7	180.3	243.0	188	0.0009	0.0004%	0.4
NO_2	1-hour	459827.4	3328117.5	62.7	180.3	243.0	188	0.0003	0.0001%	0.9
NO_2	1-hour	460427.4	3328617.5	62.7	180.2	242.9	188	0.0078	0.0032%	1.0
NO_2	1-hour	460227.4	3329017.5	62.7	180.0	242.7	188	0.0018	0.0007%	0.7
NO_2	1-hour	459927.4	3328317.5	62.7	179.9	242.6	188	0.0012	0.0005%	0.8
NO_2	1-hour	459127.4	3328217.5	62.7	179.8	242.5	188	0.2089	0.0861%	0.8
NO_2	1-hour	460327.4	3328517.5	62.7	179.7	242.4	188	0.0073	0.0030%	0.9
NO_2	1-hour	460127.4	3328617.5	62.7	179.7	242.4	188	0.0023	0.0010%	0.7
NO_2	1-hour	459427.4	3328417.5	62.7	179.7	242.4	188	0.0476	0.0196%	0.5
NO_2	1-hour	459727.4	3328617.5	62.7	179.7	242.4	188	0.0010	0.0004%	0.4
NO_2	1-hour	460127.4	3328917.5	62.7	179.4	242.1	188	0.0013	0.0005%	0.6
NO_2	1-hour	459727.4	3328017.5	62.7	179.3	242.0	188	0.0003	0.0001%	0.9
NO_2	1-hour	459027.4	3328117.5	62.7	179.3	242.0	188	0.2897	0.1197%	1.0
NO_2	1-hour	460227.4	3328417.5	62.7	179.2	241.9	188	0.0069	0.0029%	0.9
NO_2	1-hour	459327.4	3328317.5	62.7	179.2	241.9	188	0.1065	0.0440%	0.6
NO_2	1-hour	459627.4	3328517.5	62.7	179.2	241.9	188	0.0020	0.0008%	0.4
NO_2	1-hour	460227.4	3328817.5	62.7	179.1	241.8	188	0.0026	0.0011%	0.7
NO_2	1-hour	460027.4	3328817.5	62.7	178.9	241.6	188	0.0011	0.0005%	0.5
NO_2	1-hour	460227.4	3328917.5	62.7	178.9	241.6	188	0.0016	0.0006%	0.7
NO_2	1-hour	459827.4	3328217.5	62.7	178.9	241.6	188	0.0014	0.0006%	0.8
NO_2	1-hour	460027.4	3328517.5	62.7	178.8	241.5	188	0.0021	0.0009%	0.7
NO_2	1-hour	460427.4	3328517.5	62.7	178.8	241.5	188	0.0043	0.0018%	1.0
NO_2	1-hour	460127.4	3328317.5	62.7	178.7	241.4	188	0.0068	0.0028%	0.9
NO_2	1-hour	459527.4	3328417.5	62.7	178.6	241.3	188	0.0050	0.0021%	0.5
NO_2	1-hour	460427.4	3328417.5	62.7	178.6	241.3	188	0.0009	0.0004%	1.1
NO_2	1-hour	459227.4	3328217.5	62.7	178.6	241.3	188	0.1965	0.0815%	0.8
NO_2	1-hour	459627.4	3327917.5	62.7	178.4	241.1	188	0.0003	0.0001%	1.0
NO_2	1-hour	459927.4	3328717.5	62.7	178.4	241.1	188	0.0010	0.0004%	0.5
NO_2	1-hour	460127.4	3328817.5	62.7	178.4	241.1	188	0.0012	0.0005%	0.6
NO_2	1-hour	460027.4	3328217.5	62.7	178.3	241.0	188	0.0068	0.0028%	0.9
NO_2	1-hour	460127.4	3328717.5	62.7	178.2	240.9	188	0.0021	0.0009%	0.7
NO_2	1-hour	459427.4	3328317.5	62.7	178.1	240.8	188	0.0130	0.0054%	0.6
NO_2	1-hour	459127.4	3328117.5	62.7	178.1	240.8	188	0.3160	0.1313%	0.9
NO_2	1-hour	459927.4	3328117.5	62.7	178.0	240.7	188	0.0073	0.0030%	0.9
NO_2	1-hour	460027.4	3328717.5	62.7	177.8	240.5	188	0.0010	0.0004%	0.6

Predicted Cumulative Concentrations for NAAQS Exceedances at the Moss Lake Compressor Station										
Pollutant	Averaging Period	Location of NAAQS Exceedance [1]		Background Concentration	Modeled Concentration [2]	Modeled Concentration + Backgournd Concentration	NAAQS	Project-Only Concentration Contribution to NAAQS Exceedance	Project-Only Percentage Contribution of the NAAQS Exceedance	Distance to the NAAQS Exceedance [3]
		Easting (m)	Northing (m)	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	km
NO_2	1-hour	459827.4	3328617.5	62.7	177.8	240.5	188	0.0010	0.0004%	0.5
NO_2	1-hour	459727.4	3328117.5	62.7	177.8	240.5	188	0.0017	0.0007%	0.9
NO_2	1-hour	459927.4	3328417.5	62.7	177.8	240.5	188	0.0022	0.0009%	0.7
NO_2	1-hour	460327.4	3328417.5	62.7	177.8	240.5	188	0.0008	0.0003%	1.0
NO_2	1-hour	460327.4	3328317.5	62.7	177.7	240.4	188	0.0009	0.0004%	1.0
NO_2	1-hour	459327.4	3328217.5	62.7	177.6	240.3	188	0.0309	0.0129%	0.7
NO_2	1-hour	460027.4	3328617.5	62.7	177.5	240.2	188	0.0011	0.0005%	0.6
NO_2	1-hour	459727.4	3328517.5	62.7	177.3	240.0	188	0.0010	0.0004%	0.5
NO_2	1-hour	459927.4	3328617.5	62.7	177.3	240.0	188	0.0009	0.0004%	0.5
NO_2	1-hour	459227.4	3328117.5	62.7	177.1	239.8	188	0.0636	0.0265%	0.9
NO_2	1-hour	460227.4	3328317.5	62.7	177.1	239.8	188	0.0075	0.0031%	1.0
NO_2	1-hour	459927.4	3328517.5	62.7	176.9	239.6	188	0.0011	0.0004%	0.6
NO_2	1-hour	459827.4	3328317.5	62.7	176.9	239.6	188	0.0024	0.0010%	0.7
NO_2	1-hour	459627.4	3328017.5	62.7	176.9	239.6	188	0.0034	0.0014%	0.9
NO_2	1-hour	459827.4	3328517.5	62.7	176.8	239.5	188	0.0009	0.0004%	0.5
NO_2	1-hour	459627.4	3328417.5	62.7	176.8	239.5	188	0.0018	0.0007%	0.5
NO_2	1-hour	459127.4	3328017.5	62.7	176.7	239.4	188	0.1121	0.0468%	1.0
NO_2	1-hour	460227.4	3328217.5	62.7	176.6	239.3	188	0.0008	0.0003%	1.0
NO_2	1-hour	460427.4	3328317.5	62.7	176.5	239.2	188	0.0010	0.0004%	1.1
NO_2	1-hour	459827.4	3328417.5	62.7	176.4	239.1	188	0.0011	0.0005%	0.6
NO_2	1-hour	460127.4	3328217.5	62.7	176.4	239.1	188	0.0076	0.0032%	1.0
NO_2	1-hour	459527.4	3328317.5	62.7	176.2	238.9	188	0.0045	0.0019%	0.6
NO_2	1-hour	459727.4	3328417.5	62.7	176.2	238.9	188	0.0010	0.0004%	0.6
NO_2	1-hour	460027.4	3328117.5	62.7	176.1	238.8	188	0.0079	0.0033%	1.0
NO_2	1-hour	459727.4	3328217.5	62.7	175.9	238.6	188	0.0030	0.0013%	0.8
NO_2	1-hour	459727.4	3328317.5	62.7	175.8	238.5	188	0.0013	0.0006%	0.7
NO_2	1-hour	460127.4	3328117.5	62.7	175.7	238.4	188	0.0009	0.0004%	1.0
NO_2	1-hour	460327.4	3328217.5	62.7	175.7	238.4	188	0.0009	0.0004%	1.1
NO_2	1-hour	459427.4	3328217.5	62.7	175.7	238.4	188	0.0125	0.0052%	0.7
NO_2	1-hour	459627.4	3328317.5	62.7	175.7	238.4	188	0.0016	0.0007%	0.6
NO_2	1-hour	459527.4	3327917.5	62.7	175.5	238.2	188	0.0093	0.0039%	1.0
NO_2	1-hour	459627.4	3328217.5	62.7	175.3	238.0	188	0.0019	0.0008%	0.7
NO_2	1-hour	459527.4	3328217.5	62.7	175.2	237.9	188	0.0037	0.0015%	0.7
NO_2	1-hour	459327.4	3328117.5	62.7	175.2	237.9	188	0.0279	0.0117%	0.8
NO_2	1-hour	459627.4	3328117.5	62.7	175.0	237.7	188	0.0052	0.0022%	0.8
NO_2	1-hour	460227.4	3328117.5	62.7	175.0	237.7	188	0.0009	0.0004%	1.1
NO_2	1-hour	459527.4	3328117.5	62.7	174.8	237.5	188	0.0039	0.0016%	0.8
NO_2	1-hour	459227.4	3328017.5	62.7	174.7	237.4	188	0.0579	0.0244%	1.0
NO_2	1-hour	459427.4	3328117.5	62.7	174.6	237.3	188	0.0101	0.0043%	0.8
NO_2	1-hour	459427.4	3327817.5	62.7	174.4	237.1	188	0.0328	0.0138%	1.1
NO_2	1-hour	459527.4	3328017.5	62.7	174.3	237.0	188	0.0044	0.0019%	0.9
NO_2	1-hour	459427.4	3328017.5	62.7	174.3	237.0	188	0.0097	0.0041%	0.9
NO_2	1-hour	459127.4	3327917.5	62.7	174.2	236.9	188	0.1019	0.0430%	1.1
NO_2	1-hour	459327.4	3328017.5	62.7	174.1	236.8	188	0.0251	0.0106%	0.9
NO_2	1-hour	459427.4	3327917.5	62.7	173.8	236.5	188	0.0095	0.0040%	1.0
NO_2	1-hour	459327.4	3327917.5	62.7	173.7	236.4	188	0.0226	0.0096%	1.0
NO_2	1-hour	459327.4	3327817.5	62.7	173.3	236.0	188	0.0205	0.0087%	1.1
NO_2	1-hour	459227.4	3328617.5	62.7	125.4	188.1	188	1.5197	0.8078%	0.4

Notes:

1. The listed exceedances are the locations of the 8th highest ranked values exceeding the NAAQS, and include the contribution from the Moss Lake Compressor Station. Regarding the 24-hour $PM_{2.5}$ NAAQS exceedances, the overall maximum Project impact/contribution (0.19 µg/m^3) is associated with the 11th highest ranked value. Regarding the 1-hour NO_2 NAAQS exceedances, the overall maximum Project impact/contribution (1.52 µg/m^3) is associated with the 62nd highest ranked value.

2. The 24-hour $PM_{2.5}$ modeled concentration includes the secondary $PM_{2.5}$ formation contribution (i.e., MERPs analysis result) of 0.0534 µg/m^3.

3. The distance to each NAAQS exceedance is based on using the Moss Lake Compressor Station ACT3 stack as the origin point.

Appendix L

List of Preparers

Federal Energy Regulatory Commission

Ferrara, Kylee – Project Manager, Air Quality, Noise, Alternatives, Cumulative Impacts
M.S., Environmental Engineering, 2016, The Johns Hopkins University
B.A & S., Biology and Geography, 2005, McGill University

Cotton, Douglas – Socioeconomics, Environmental Justice
M.S., Urban & Regional Planning, 1980, University of Wisconsin-Madison
B.A., Geography, 1977, University of Massachusetts-Amherst

Crosley, Shannon – Deputy Project Manager, Land Use, Recreation, Visual Resources
B.S., Natural Resource Management, 1998, University of Maryland

Dague, Brady, P.E. – LNG Reliability and Safety
BS, Civil Engineering, University of Maryland, 2010

Gray III, Joseph – LNG Reliability and Safety
B.S., Petroleum & Natural Gas Engineering, Pennsylvania State University, 2017

Griffin, Robin – Socioeconomics, Environmental Justice
M.S., Environmental Management, 1999, Illinois Institute of Technology
B.A., English Composition (Minor in Geology), 1992, DePauw University

Ferree, Heather – LNG Reliability and Safety
M.S., Mechanical Engineering, Pennsylvania State University
B.S., Mechanical Engineering, Pennsylvania State University

Fink, Jennifer – Surface Water; Wetlands; Wildlife and Aquatic Resources
M.S., Environmental Policy, 2015, George Washington University
B.S., Environmental Science, 2010, University of Delaware

Jensen, Andrea – Geological Resources; Soils; Groundwater
B.S., Environmental Geology, 2012, College of William and Mary

Jeong, Sungki, P.E. – LNG Reliability and Safety
M.S., Civil Engineering, University of Maryland, College Park, 2009
B.S., Civil Engineering, University of Maryland, College Park, 2006

Miller, Jessica – Wildlife and Aquatic Resources
B.S., Ecology/Environmental Biology, 2007, Lock Haven University of Pennsylvania;
B.S. Marine Biology, 2007, Lock Haven University of Pennsylvania

Moffatt Daniels, TiAwna – LNG Reliability and Safety
M.S., Civil Engineering, 2010, University of Maryland, College Park
B.Eng., Civil Engineering, 2009, University of Delaware

Ramsey, Dawn – Cultural Resources
M.A., Anthropology, 2000, University of Memphis
B.A., History and Anthropology, 1997, Texas State University

Shi, Ting, P.E., PMP. – LNG Reliability and Safety
M.S., Engineering, Marshall University Graduate College, 2014
B.S., Civil Engineering, West Virginia University Institute of Technology, 2010

Jonathan Turquette – LNG Reliability and Safety
B.S., Chemical Engineering, Texas Tech University, 1996

U.S. Army Corps of Engineers New Orleans District

Amy Oestringer
Darrell Barbara
Mike Sullivan
Tracy Falk
Martin Mayer

U.S. Army Corps of Engineers, Galveston District

Felicity Cunningham
Joseph McMahan
Kristi McMillan

U.S. Department of Energy

Brian Lavoie

U.S. Coast Guard

Christopher M. Saylor
Jacob L. Cass
John P. Nadeau
Mache Mason
Molly Wike

Pipeline and Hazardous Materials Safety Administration

William Schoonover
Kandilarya Barakat
Bill Lowry

NOAA National Marine Fisheries Service

Craig Gothreaux

Perennial Environmental Services, LLC

Butler, Amy – Project Manager, Project Description, Threatened and Endangered Species
M.S., Wildlife Ecology, 2011, University of Nebraska – Lincoln
B.S., Wildlife Ecology, 2008, Washington State University

Steen, Virginia – Deputy Project Manager, Project Description, Socioeconomics, Alternatives
M.S., Environmental Science – Biology, 2016, University of Houston – Clear Lake
B.S., Environmental Science, 2008, Florida State University

Cochran, Megan – Interim Project Manager, Water Resources, Wetlands, and Cumulative
B.S., Environmental Studies, 2013, Texas A&M University

Cortez, Michelle – Wildlife and Aquatic Resources; Threatened and Endangered Species
Ph.D. in Marine Biology, 2015, Texas A&M University at Galveston
B.S., Biomedical Science, 2008, Texas A&M University

Furlong, Brittany – Geological Resources; Soils, Water Resources
B.S., Environmental Science, 2017, University of Pittsburgh

McClean, Jess – Land Use, Visual Resources, and Recreation; Socioeconomics
B.S., Zoology, 2016, University of Glasgow

Peyton, Abby – Cultural Resources
M.A., Archaeology, 2005, Texas State University
B.A., Anthropology, 2001, Baylor University

POWER Engineers, Inc.

Corio, Louis A. – Resource Specialist, Air Quality
M.S., Meteorology, 1983, University of Maryland
B.S., Meteorology, 1980, Rutgers University – Cook College

Guerrero, Priscilla A. – Resource Specialist, Air Quality
Ph.D., Civil and Environmental Engineering, 2013, University of Texas
M.S., Environmental and Water Resources Engineering, 2009, University of Texas
B.S. Metallurgical and Materials Engineering, 2007, University of Texas

SLR International Corporation

Bell, Damien – Resource Specialist Noise
B.S. Mechanical Engineering (Acoustics Concentration), 2005, University of Hartford

David Jones, P.E., INCE Bd. Cert.
B.S. Mechanical Engineering, 1996, Rice University

Perennial Environmental Services, LLC, POWER Engineers, Inc. and SLR International Corporation are third party contractors assisting the Commission staff in reviewing the environmental aspects of the project application and preparing the environmental documents required by NEPA. Third party contractors are selected by Commission staff and funded by project applicants. Per the procedures in 40 CFR 1506.5(b)(4), third party contractors execute a disclosure statement specifying whether any financial or other interests in the outcome of the project exist. In accordance with Commission policies, these statements are reviewed to ensure no financial or other organizational conflicts of interest exist. Third party contractors are required to self-report any changes in financial situation and to refresh their disclosure statements annually. The Commission staff solely directs the scope, content, quality, and schedule of the contractor's work. The Commission staff independently evaluates the results of the third-party contractor's work and the Commission, through its staff, bears ultimate responsibility for full compliance with the requirements of NEPA.

Appendix M

References

Allen V. 2020. Louisiana Visitor Profile. D. K. Shifflet & Associates, Ltd. https://www.crt.state.la.us/tourism/louisiana-research/current-research/index. Accessed May 2021.

Atlantic and Gulf of Mexico Tsunami Hazard Assessment Group. 2008. Evaluation of Tsunami Sources with the Potential to Impact the U.S. Atlantic and Gulf Coasts - A Report to the Nuclear Regulatory Commission: U.S. Geological Survey Administrative Report. https://www.nrc.gov/docs/ML0829/ML082960196.pdf. Accessed October 2022.

ATTOM. 2023. Real Estate Data Portal. www.attomdata.com. Accessed April 2023.

Ausenco. 2018. Port of Lake Charles Calcasieu Ship Channel Traffic Study – 2018 Update. Final Report. 103115-01-RPT-0001 Revision 0. Accessed October 2022.

Baldwin, H.Q., and Allain, L.K.. 2017. Soil, geomorphology and pre-European settlement vegetation associations of Southwest Louisiana: U.S. Geological Survey data release. https://www.sciencebase.gov/catalog/item/5925eb8de4b0b7ff9fb3cc09. Accessed August 2022.

Becker, A., A. Whitfield, P. Cowley, J. Jarnegren, and T. Naesje. 2012. Potential Effects of Artificial Light Associated with Anthropogenic Infrastructure on the Abundance and Foraging Behaviour of Estuary-Associated Fishes. Journal of Applied Ecology, Volume 50, Issue 1, pages 43–50.

Beckman, J.D. and A.K. Williamson. 1990. Salt-Dome Locations in the Gulf Coastal Plain, South-Central United States. U.S. Geological Survey Water-Resources Investigations Report 90-4060. Austin, Texas. https://books.google.com/books?hl=en&lr=&id=hyXJzQLxs4QC&oi=fnd&pg=PA1&dq=%22Sweet+Lake%22+salt+dome+map&ots=noNCyb2x3P&sig=9Mq_oPGa8hmV5e43bGH-cfq2h8o#v=onepage&q=%22Sweet%20Lake%22%20salt%20dome%20map&f=false. Accessed February 2022.

Bruun, B. 2016. Texas Aquifers Study; Groundwater Quantity, Quality, Flow and Contributions to Surface Water. https://www.twdb.texas.gov/groundwater/docs/studies/TexasAquifersStudy_2016.pdf#page=107. Accessed February 2022.

Bureau of Indian Affairs. 2016. Indian Lands of the United States. https://www.bia.gov/sites/bia.gov/files/assets/public/webteam/pdf/idc1-028635.pdf. Accessed June 2021.

Bureau of Economic Geology. 2021. Texas Mineral Resources Map. https://coastal.beg.utexas.edu/txmineralresources/#!/.. Accessed October 2021.

Burge, P. and P.Kitech. 2009. Methods for predicting and evaluating noise from horizontal directional drilling (HDD) equipment. Proceedings of InterNoise 2009, pp. 4741-4748(8).

Calcasieu Parish Police Jury. 2021. Calcasieu Parish Hurricanes Laura and Delta Long-Term Community Recovery Plan. August 2021. https://www.calcasieuparish.gov/home/showpublisheddocument/10318/637648012914930000. Accessed October 2021.

Calcasieu Parish Police Jury. 2020. Annual Financial Report and Independent Auditors' Reports Year Ended December 31, 2019. https://app.lla.state.la.us/PublicReports.nsf/0/1F47D8D0FEAE71948625860E0063FAF5/$FILE/000219C5.pdf. Accessed February 2022.

Calcasieu Parish School Board. 2021. About us. https://www.cpsb.org/domain/21. Accessed April 2021.

California Department of Transportation. 2020. Technical Guidance for the Assessment of Hydroacoustic Effects of Pile Driving on Fish, 2020 Update. California Department of Transportation, Division of Environmental Analysis. https://dot.ca.gov/-/media/dot-media/programs/environmental-analysis/documents/env/hydroacoustic-manual-a11y.pdf . Accessed March 2023.

Cameron Parish Police Jury. 2020. Annual Financial Report and Independent Auditors' Reports Year Ended December 31, 2019. Available at: http://app.lla.state.la.us/PublicReports.nsf/0/D53F12B567B9BD77862585AE00693F9A/$FILE/00020B44.pdf. Accessed June 2021.

Cameron Parish School District. 2021. District Information. https://www.camsch.org/. Accessed April 2021.

Cameron Parish Sheriff's Office. 2021. https://www.cameronso.org/. Accessed April 2021.

Center for Biomedical Research. 2021. Invasive Species of Louisiana. http://is.cbr.tulane.edu/index.html. Accessed February 2022.

Coastal Protection and Restoration Authority. 2013. Cameron Parish Shoreline Erosion. http://coastal.la.gov/project/cameron-parish-shoreline-protection/. Accessed October 2022.

Commonwealth LNG. 2021. Commonwealth LNG, Project Overview. https://commonwealthlng.com/the-project/#project-overview. Accessed June 2021.

Cornell Lab of Ornithology. 2022. All About Birds. https://www.allaboutbirds.org/. Accessed October 2021.

Council on Environmental Quality. 2005. Memorandum: Guidance on the Consideration of Past Actions in Cumulative Effects Analysis. Available at https://www.energy.gov/sites/prod/files/nepapub/nepa_documents/RedDont/G-CEQ-PastActsCumulEffects.pdf. Accessed January 2022.

Council of Environmental Quality. 1997. Environmental Justice Guidance under the National Environmental Policy Act. https://www.epa.gov/environmentaljustice/technical-guidance-assessing-environmental-justice-regulatory-analysis. Accessed May 2021.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. Jamestown, ND: Northern Prairie Wildlife Research Center Online. https://www.fws.gov/wetlands/Documents/Classification-of-Wetlands-and-Deepwater-Habitats-of-the-United-States.pdf. Accessed July 2021.

Dean Runyan Associates. 2020. The Economic Impact of Travel on Texas 1994-2019. Prepared for Travel Texas, Office of the Governor, and Texas Economic Development & Tourism. https://static1.squarespace.com/static/5ea0c297db073c065cc8f3a7/t/600b72ea643aa1698764d90a/1611363052747/Texas+Travel+Impact+Report+2019.pdf. Accessed May 2021.

DeGraaf, Richard M., & William M. Healy. 1990. Is forest fragmentation a management issue in the Northeast? Gen. Tech. Rep. NE-140. Radnor, PA: U. S. Department of Agriculture, Forest Service, Northeastern Forest Experiment Station. 32 p.

Diskin, B. A., Friedman, J. P. , Peppas, S. C. , & Peppas, S. R. (2011). The Effect of Natural Gas Pipelines on Residential Value. Right of Way. Jan/Feb, 24-27.

Dudensing, R., Picariello, L., Resinger, T., and D. Hanselka. 2021. Economic Impacts of the Texas Shrimp Fishery. Sea Grant Texas at Texas A&M University.

https://drive.google.com/file/d/1qtGzKczGCiSAD6VEkOplvnZXHqJKENDJ/view. Accessed October 2021.

Fan, Wenyuan, McGuire, J. J., Shearer P.M. 2020. Abundant Spontaneous and Dynamically Triggered Submarine Landslides in the Gulf of Mexico. https://doi.org/10.1029/2020GL087213. Accessed October 2022.

Federal Emergency Management Agency. 2021. National Flood Hazard Layer. https://www.fema.gov/flood-maps/national-flood-hazard-layer. Accessed February 2022.

Federal Energy Regulatory Commission. 2022. Final Environmental Impact Statement- Commonwealth LNG Project. https://elibrary.ferc.gov/eLibrary/filelist?accession_number=20220909-3017. Accessed November 2022.

Federal Energy Regulatory Commission. 2021. Final Environmental Impact Statement- Port Arthur Liquefaction Project, Texas Connector Project, and Louisiana Connector Project. https://www.ferc.gov/final-environmental-impact-statement-port-arthur-liquefaction-project-texas-connector-project-and. Accessed October 2021.

Federal Energy Regulatory Commission. 2020. Letter order granting Cameron LNG, LLC's 01/24/2020 extension of time to complete all phases Cameron LNG Expansion Project under CP15-560. https://elibrary.ferc.gov/eLibrary/docinfo?document_id=14845297. Accessed July 2021.

Federal Energy Regulatory Commission. 2019a. Driftwood LNG Project Final Environmental Impact Statement. Driftwood LNG, LLC and Driftwood Pipeline, LLC. Docket Nos. CP17-117- 000 and CP17-118-000. FERC/FEIS-0284F. January 2019.

Federal Energy Regulatory Commission. 2019b. Final Environmental Impact Statement for the Plaquemines LNG and Gator Express Pipeline Project. https://www.ferc.gov/sites/default/files/2020-05/05-03-19-FEIS.pdf. Accessed April 2021.

Federal Energy Regulatory Commission. 2018. Final Environmental Impact Statement for Venture Global Calcasieu Pass, LLC and TransCameron Pipeline, LLC Calcasieu Pass Project. Available at: https://cms.ferc.gov/sites/default/files/2020-05/volume-I_7.pdf. Accessed April 2021.

Federal Energy Regulatory Commission. 2013a. Upland Erosion Control, Revegetation, and Maintenance Plan. Office of Energy Projects, Washington DC. http://www.ferc.gov/industries/gas/enviro/plan.pdf.

Federal Energy Regulatory Commission. 2013b. Wetland and Waterbody Construction and Mitigation Procedures. Office of Energy Projects, Washington DC. http://www.ferc.gov/industries/gas/enviro/procedures.pdf.

Fenneman, N.M. and D.W. Johnson. 1946. Physiographic divisions of the conterminous U.S. U.S. Geological Survey. https://water.usgs.gov/GIS/metadata/usgswrd/XML/physio.xml. Accessed February 2022.

Fitzpatrick, C., Jankowski, K.L., & Reed, D. 2020. 2023 Coastal Master Plan: Determining Subsidence Rates for Use in Predictive Modeling. Version I. (p. 70). Baton Rouge, Louisiana: Coastal Protection and Restoration Authority.

Flores, Ronald E., and William R. Eddleman. "California Black Rail Use of Habitat in Southwestern Arizona." *The Journal of Wildlife Management*, vol. 59, no. 2, 1995, pp. 357–63. *JSTOR*, https://doi.org/10.2307/3808949. Accessed February 2022.

Foster, Steven R. 2016. A Study of Natural Gas Compressor Stations and Residential Property Values. Prepared by Foster, LPC Commercial Services, Inc., Boston, MA for Tennessee Pipeline Company LLC. January 5, 2016.

Gabelman, J.W. 1972. Radon Emanometry of Starks Salt Dome, Calcasieu Parish, Louisiana. U.S. Atomic Energy Commission, Division of Production and Materials Management. RME-4114. Washington, D.C. https://books.google.com/books?hl=en&lr=&id=ItzJd_ZT-5QC&oi=fnd&pg=PA5&dq=starks+salt+dome&ots=0uUNS5VXFW&sig=D0iynxYEwSDfxFweOwYtqiC9eQs#v=onepage&q&f=true. Accessed February 2022.

Gabrey, S. W., Afton, A. D., & Wilson, B. C. 2001. Effects of structural marsh management and winter burning on plant and bird communities during summer in the Gulf Coast Chenier Plain. Wildlife Society Bulletin, 218-231.

Gordon, M, B. Giles, K. Garcia, J.W. Oakley, E. Munscher, J.J. Apodaca, A. Krohn, D.R. Bontrager, J. Kittle, M. Mokrech, T. Sankey, A. Tuggle, C. Franklin, V. Ricardez, C. Schalk, D. Saenz, D. Rosenbaum, C. Jones, J. Watson, T. Corbett, and G. Guillen. 2023. Baseline study of Alligator Snapping Turtle (Macrochelys temminckii) population viability in Texas watersheds, Final Report. (Report No. EIH23-002). Prepared for the Texas Comptroller of Public Accounts (Contract 20-6997BG). 107 pages.

Griebner, Donald A. 2015. Impact on Property Values Surrounding Compressor Stations. Prepared for National Fuel Gas Supply Corporation, Williamsville, New York. October 1, 2015. https://static1.squarespace.com/static/56afc3b92b8dded389a27cc2/t/5711587301dbae161f960425/1460754551387/Property+Value+Assessment+Study+11-6-15.pdfhttps://www.natfuel.com/pipelineandstorage/supply/NorthernAccess2016/Property%20Value%20Assessment%20Study%2011-6-15.pdf. Accessed Accessed May 2022.

Griffith, Glenn; Bryce, Sandy; Omernik, James; and Rogers, Anne. 2007. Ecoregions of Texas. http://ecologicalregions.info/htm/pubs/TXeco_Jan08_v8_Cmprsd.pdf. Accessed September 2022.

Gulf of Mexico Fishery Management Council. 2016. Final Report 5-Year Review of Essential Fish Habitat Requirements. https://gulfcouncil.org/wp-content/uploads/EFH-5-Year-Revew-plus-App-A-and-B_Final_12-2016.pdf. Accessed June 2021.

Gulf of Mexico Fishery Management Council. 2005. Final Generic Amendment Number 3 for Addressing the Essential Fish Habitat Requirements to the Fishery Management Plans of the Gulf of Mexico. Gulf of Mexico Fishery Management Council, 2203 N. Louis Avenue, Suite 1100, Tampa, FL 33607. https://gulfcouncil.org/wp-content/uploads/FISHERY%20MANAGEMENT/GENERIC/FINAL3_EFH_Amendment.pdf. Accessed June 8, 2022.

Gulf of Mexico Fishery Management Council. 2004. Final Environmental Impact Statement for the Generic Fish Habitat Amendment to The Fishery Management Plans of the Gulf of Mexico. Gulf of Mexico Fishery Management Council, 2203 N. Lois Avenue, Suite 1100 Tampa, FL 33607. https://gulfcouncil.org/wp-content/uploads/March-2004-Final-EFH-EIS.pdf. Accessed June 8, 2022.

Gulf of Mexico Fishery Management Council. 1983. Fishery Management Plan for the Coastal Migratory Pelagic Resources of the Gulf of Mexico, United States Waters. https://gulfcouncil.org/wp-content/uploads/Original-Migratory-Pelagics-Fishery-Management-Plan-.pdf. Accessed April 2021.

Gulf of Mexico Fishery Management Council. 1981a. Fishery Management Plan for the Reef Fish Resources of the Gulf of Mexico, United States Waters. https://gulfcouncil.org/wp-content/uploads/FISHERY%20MANAGEMENT/REEF%20FISH/RF%20FMP%20and%20EIS%201981-08.pdf. Accessed April 2021.

Gulf of Mexico Fishery Management Council. 1981b. Fishery Management Plan for the Shrimp Fishery of the Gulf of Mexico, United States Waters. https://gulfcouncil.org/wp-content/uploads/Original-Shrimp-Fishery-Management-Plan.pdf. Accessed April 2021.

Hair, J., D. Cameron, C. Tammi, E. Steel, J. Schmidt, and J. Evans. 2002. A Comparative Assessment of Horizontal Directional Drilling and Traditional Construction Techniques for Wetland and Riparian Area Crossings in Natural Gas Pipeline Rights-of-Way. Pages 609 to 617 in J.W. Goodrich-Mahoney, D.F. Mutrie, and C.A. Guild (editors). The Seventh International Symposium on Environmental Concerns in Rights-of-Way Management. Elsevier. Boston, Massachusetts.

Harper, K. A., S. E. Macdonald, P. J. Burton, J. Q. Chen, K. D. Brosofske, S. C. Saunders, E. S. Euskirchen, D. Roberts, M. S. Jaiteh, and P. A. Esseen. 2005. Edge influence on forest structure and composition in fragmented landscapes. Conservation Biology 19:768–782.

Harvey, T. 2009. 15 Texas Freshwater Mussels Placed on State Threatened List. https://tpwd.texas.gov/newsmedia/releases/?req=20091105c. Accessed October 2021.

Horton, J.D., C.A. Sand Juan, and D.B. Stoeser. 2017. The State Geologic Map Compilation (SGMC) geodatabase of the conterminous United States (ver. 1.1, August 2017). U.S. Geological Survey Data Series 1052, 46 p. https://mrdata.usgs.gov/geology/state/. Accessed February 2022.

Hundl, W. 2019. Texas Agriculture – Growing in Many Ways. https://www.usda.gov/media/blog/2019/07/17/texas-agriculture-growing-many-ways#:~:text=The%20Lone%20Star%20State%20ranks,in%20products%20sold%20in%. Accessed May 2021."

Hunter, A., C. Brassieur, B. Vivas, and E. Blancher. 2009. Valuing the Subsistence Use of Goods and Services in Louisiana Coastal Communities: Using Energy to Analyze Non-Market Activities. https://www.researchgate.net/publication/267869181_Valuing_the_Subsistence_Use_of_Goods_and_Services_in_Louisiana_Coastal_Communities_Using_Emergy_to_Analyze_Non-Market_Activities. Accessed October 2021.

International Agency for Research on Cancer. 2017. http://www.iarc.fr/. Accessed November 2022.

Iowa State University. 2021. Iowa State University, Iowa Environmental Mesonet: Meteorological Station Data. Wind data https://mesonet.agron.iastate.edu/sites/windrose.phtml?station=7R5&network=LA_ASOS. Accessed June 2021.

Jasper County. 2020. Financial Statements, Year Ended December 31, 2019. Jasper County Financial Statements 2019.pdf. Accessed June 2021.

K12 Academics. 2021. National Directories. https://www.k12academics.com/. Accessed April 2021.

Kopf, D. 2016. "Which Professions Have the Longest Commutes?" Priceonomics. Accessed: May, 2021. https://priceonomics.com/which-professions-have-the-longest-commutes/ Accessed April 2021.

Land Trust for Louisiana. 2021. Properties. http://www.landtrustforlouisiana.org/properties/. Accessed June 2021.

Lester, G. D., S. G. Sorensen, P. L. Faulkner, C. S. Reid, and I. E. Maxit. 2005. Louisiana Comprehensive Wildlife Conservation Strategy. Louisiana Department of Wildlife and Fisheries. Baton Rouge. 455 pp. https://www.landcan.org/pdfs/la_wap_pdf.pdf. Accessed April 2021.

Louisiana Coastal Wetlands Planning Protection and Restoration Act Program. 2002. The Calcasieu-Sabine Basin. https://lacoast.gov/reports/static/HILCP_3.pdf. Accessed March 2022.

Louisiana Department of Agriculture and Forestry. 2022. Forestry Protection Webpage. https://www.ldaf.state.la.us/forestry/protection/. Accessed August 2022.

Louisiana Department of Culture, Recreation & Tourism. 2021. Louisiana State Parks. https://www.lastateparks.com/state-parks-historic-sites. Accessed June 2021.

Louisiana Department of Culture, Recreation, and Tourism. 2018. Louisiana Research. https://www.crt.state.la.us/tourism/louisiana-research/index. Accessed September 2019.

Louisiana Department of Education. 2021. Student Attributes Feb 2021 – Public School Enrollment by Site and School System. https://www.louisianabelieves.com/resources/library/student-attributes. Accessed April 2021.

Louisiana Department of Environmental Quality. 2022. Louisiana Department of Environmental Quality Interactive Map. https://ldeq.maps.arcgis.com/apps/webappviewer/index.html?id=f6da29ac56e44675aadfa577449707a3. Accessed February 2022.

Louisiana Department of Environmental Quality. 2018a. Superfund Sites in Louisiana. https://deq.louisiana.gov/assets/docs/Land/Remediation/SUPERFUND_SITES_IN_LOUISIANA_5-23-2018.pdf. Accessed February 2022.

Louisiana Department of Environmental Quality. 2018b. 2018 Triennial Report ASSET Reports/Aquifer Summaries. https://www.deq.louisiana.gov/assets/docs/Water/Triennial_reports/AquiferSummaries_2015-2018/10ChicotAquiferSummary18FINAL.pdf. Accessed February 2022.

Louisiana Department of Environmental Quality. 2020. Final 2020 Louisiana Water Quality Inventory: Integrated Report 305(b)/303(d). https://deq.louisiana.gov/page/2020-water-quality-inventory-integrated-report-305b303d. Accessed February 2022.

Louisiana Department of Environmental Quality. 2016. Louisiana Administrative Code Title 33. Environmental Quality, Part IX. Water Quality. Subpart 1. Water Pollution Control. Environmental Regulatory Code, May 2016. https://deq.louisiana.gov/assets/docs/Legal_Affairs/33v09-201605-Water-Quality.pdf. Accessed May 2021.

Louisiana Department of Health and Hospitals. 2001. State of Louisiana Source Water Assessment Program. https://deq.louisiana.gov/assets/docs/Water/Swapdocument.pdf. Accessed February 2022.

Louisiana Department of Labor. 2018. Louisiana Labor Force Diversity Data. https://www.laworks.net/Downloads/Employment/AffirmativeActionPublication_2018.pdf. Accessed April 2021.

Louisiana Department of Natural Resources. 2022. Strategic Online Natural Resources Information System (SONRIS) Interactive Maps. http://sonris-www.dnr.state.la.us/gis/agsweb/IE/JSViewer/index.html?TemplateID=181. Accessed August 2022.

Louisiana Department of Natural Resources. 2021a. Coastal Zone Boundary (2021). http://www.dnr.louisiana.gov/index.cfm?md=pagebuilder&tmp=home&pid=928. Accessed May 2021

Louisiana Department of Natural Resources. 2021b. Office of Coastal Management. http://www.dnr.louisiana.gov/index.cfm/page/85. Accessed June 2021.

Louisiana Department of Revenue. 2019. State of Louisiana Annual Tax Collection Report 2018-2019. https://revenue.louisiana.gov/Publications/LDR_Annual_Report(2018-2019)%20FINAL.pdf. Accessed May 2021.

Louisiana Department of Transportation and Development. 2022a. LADOTD Estimated Annual Average Daily Traffic Count Sites. https://ladotd.public.ms2soft.com/tcds/tsearch.asp?loc=ladotd. Accessed November 2022.

Louisiana Department of Transportation and Development. 2022b. Ferry and Moveable Bridge Status. http://wwwapps.dotd.la.gov/operations/ferrystatus/fmbs_status.aspx?PID=F_STATUS. Accessed December 2022.

Louisiana Department of Transportation and Development. 2009. Basin Characterization Report for the Calcasieu-Mermentau Basin. http://www.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/Public_Works/Dam_Safety/RPDP_Reports/Calcasieu%20Basin%20Report%20FINAL%204.pdf. Accessed May 2021.

Louisiana Department of Wildlife and Fisheries. 2023. Shrimp Line. https://www.wlf.louisiana.gov/page/shrimp-line#:~:text=The%20line%20generally%20follows%20the,mile%20line%20are%20outside%20waters. Accessed May 2023.

Louisiana Department of Wildlife and Fisheries. 2021a. Scenic Rivers Program. https://www.wlf.louisiana.gov/page/scenic-rivers. Accessed February 2022.

Louisiana Department of Wildlife and Fisheries. 2021b. Commercial Fishing. https://www.wlf.louisiana.gov/subhome/commercial-fishing. Accessed October 2021.

Louisiana Department of Wildlife and Fisheries. 2021c. Louisiana Fishing Regulations. https://www.wlf.louisiana.gov/page/seasons-and-regulations. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021d. WMAs, Refuges, and Conservation Areas. Sabine Island. Available at https://www.wlf.louisiana.gov/page/sabine-island. Accessed June 2021.

Louisiana Department of Wildlife and Fisheries. 2021e. 2021 Louisiana, Commercial and For-Hire Fisheries Rules and Regulations. https://www.wlf.louisiana.gov/assets/Resources/Publications/Regulations/2021-Commercial-Fishing.pdf. Accessed October 2021.

Louisiana Department of Wildlife and Fisheries. 2021f. Fisheries Web Map. http://gis.wlf.la.gov/oystermap/map.html. Accessed May 2021.

Louisiana Department of Wildlife and Fisheries. 2021g. Louisiana Coastal Marsh-Vegetative Type Map. https://databasin.org/datasets/58843fbd42c54593834f3659c1db3a3d/. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021h. Brackish Marsh. https://www.wlf.louisiana.gov/assets/Resources/Publications/Natural_Communities_Fact_Sheets/Brackish_Marsh.pdf. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021i. Coastal Prairie. https://www.wlf.louisiana.gov/assets/Resources/Publications/Natural_Communities_Fact_Sheets/Coastal_Prairie.pdf. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021j. Coastal Live Oak-Hackberry Forest. https://www.wlf.louisiana.gov/assets/Resources/Publications/Natural_Communities_Fact_Sheets/Coastal_Live_Oak-Hackberry_Forest.pdf. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021k. Alligator Hunting Regulation Overview. LDWF, Office of Wildlife, Baton Rouge, LA. https://www.wlf.louisiana.gov/assets/Hunting/Alligator/Files/alligator_hunting_regulations_overview_2020.pdf. Accessed May 2021.

Louisiana Department of Wildlife and Fisheries. 2021l. Get out and Fish! Community Fishing Program. https://www.wlf.louisiana.gov/page/get-out-and-fish. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021m. Recreational Crab, Oyster, and Shrimp. https://www.wlf.louisiana.gov/page/recreational-crab-oyster-shrimp. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021n. Oyster Season. https://www.wlf.louisiana.gov/page/oyster-season. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021o. Commercial Crab. https://www.wlf.louisiana.gov/subhome/commercial-crab. Accessed October 2021.

Louisiana Department of Wildlife and Fisheries. 2021p. Blue Crab. https://www.wlf.louisiana.gov/species/detail/blue-crab#:~:text=Bottom%20dwellers%2C%20adult%20blue%20crabs,bottoms%20for%20protection%20from%20predators. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021q. Shrimp Season. https://www.wlf.louisiana.gov/page/shrimp-season. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021r. Sabine Island. https://www.wlf.louisiana.gov/page/sabine-island. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2021s. Rare, Threatened, and Endangered Ranks and Statuses. https://www.wlf.louisiana.gov/page/rare-threatened-and-endangered-ranks-and-statuses. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2014. Part VI-A Waterbody Management Plans Series. Calcasieu River, Louisiana, Lake History & Management Issues. LDWF Office of Fisheries, Inland Fisheries Section, District 5. https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.732.4461&rep=rep1&type=pdf. Accessed April 2021.

Louisiana Department of Wildlife and Fisheries. 2009. Rare Animals of Louisiana: Alligator Snapping Turtle - Macrochelys temminckii. https://www.wlf.louisiana.gov/resources/category/rare-animal-species-fact-sheets/12. Accessed November 2021.

Louisiana Geological Survey. 1984. Geologic Map of Louisiana. https://mrdata.usgs.gov/geology/state/state.php?state=LA. Accessed February 2022.

Louisiana Hospital Association. 2021. 2020-2021 Membership Directory. https://cdn.ymaws.com/www.lhaonline.org/resource/resmgr/about/2020_21LHADirectory.pdf. Accessed April 2021.

Louisiana Office of State Fire Marshal Public Safety Services. 2021. Fire Department Directory. http://sfm.dps.louisiana.gov/index.htm. Accessed April 2021.

Louisiana State University. 2018. Louisiana Summary: Agriculture & Natural Resources. Agricultural Center. https://www.lsuagcenter.com/profiles/aiverson/articles/page1570114750015. Accessed May 2021.

Louisiana State University. 2017. Louisiana Summary: Agriculture & Natural Resources. Agricultural Center. https://www.lsuagcenter.com/profiles/aiverson/articles/page1533918931356. Accessed May 2021.

Louisiana Travel. 2022. Creole Nature Trail All-American Road. Retrieved from Trails and Byways: https://byways.louisianatravel.com/byway/creole-nature-trail-all-american-road. Accessed February 2022.

Mindat.org. 2022. Starks dome, Calcasieu Parish, Louisiana. https://www.mindat.org/loc-43602.html. Accessed May 2022.

National Audubon Society. 2022. Guide to North American Birds. https://www.audubon.org/bird-guide. Accessed February 2022.

National Audubon Society. 2021a. Important Bird Areas. https://www.audubon.org/important-bird-areas. Accessed April 2021.

National Audubon Society. 2021b. Golden Eagle. https://www.audubon.org/field-guide/bird/golden-eagle. Accessed May 2021.

National Marine Fisheries Service. 2021a. Fisheries of the United States 2019. Accessed July 2021. https://media.fisheries.noaa.gov/2021-05/FUS2019-FINAL-webready-2.3.pdf?null=.

National Marine Fisheries Service. 2021b. Threatened and Endangered Species and Critical Habitats. https://www.fisheries.noaa.gov/southeast/consultations/threatened-and-endangered-species-and-critical-habitats. Accessed April 2021.

National Marine Fisheries Service. 2021c. Southeast Critical Habitat Map. https://www.fisheries.noaa.gov/tags/southeast-critical-habitat-map. Accessed April 2021.

National Marine Fisheries Service. 2021d. An Overview of Protected Species in the Gulf of Mexico. NOAA Fisheries Service Southeast Regional Office Protected Resources Division. https://www.fisheries.noaa.gov/region/southeast#overview. Accessed June 2021.

National Marine Fisheries Service. 2021e. Vessel Strike Avoidance Measures. https://media.fisheries.noaa.gov/2021-06/Vessel_Strike_Avoidance_Measures.pdf?null. Accessed June 2021

National Marine Fisheries Service. 2021f. Giant Manta Rays. https://www.fisheries.noaa.gov/species/giant-manta-ray. Accessed April 2021.

National Marine Fisheries Service. 2021g. Whitetip Shark. https://www.fisheries.noaa.gov/species/oceanic-whitetip-shark. Accessed April 2021.

National Marine Fisheries Service. 2021h. Sea Turtles. https://www.fisheries.noaa.gov/sea-turtles. Accessed April 2021.

National Marine Fisheries Service. 2020a. Section 7 Effect Analysis: Turbidity in the Greater Atlantic Region. https://www.fisheries.noaa.gov/new-england-midatlantic/consultations/section-7-effect-analysis-turbidity-greater-atlantic-region. Last updated October 30, 2020.

National Marine Fisheries Service. 2019a. Letter dated February 8, 2019, from David Bernhart (NOAA Fisheries) to Danny Laffoon (Federal Energy Regulatory Commission).

National Marine Fisheries Service. 2019b. Letter regarding Endangered Species Act Section 7 consultation dated February 8, 2019, from D. Bernhart (Assistant Regional Administrator, Protected Resources Division) to E. Howard (Federal Energy Regulatory Commission).

National Marine Fisheries Service. 2018. Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing: Underwater Acoustic Thresholds for Onset of Permanent and Temporary Threshold Shifts (Version 2.0), 2018 Revision. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

https://www.fisheries.noaa.gov/resource/document/technical-guidance-assessing-effects-anthropogenic-sound-marine-mammal-hearing. Accessed October 2021.

National Marine Fisheries Service. 2009. Final Amendment 1 to the 2006 Consolidated Atlantic Highly Migratory Species Fishery Management Plan, Essential Fish Habitat. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Office of Sustainable Fisheries, Highly Migratory Species Management Division, Silver Spring, MD. Public Document. Page 395.

National Marine Fisheries Service. 1999. Final Fishery Management Plan for Atlantic Tuna, Swordfish, and Sharks, Volume II. Highly Migratory Species Management Division, Office of Sustainable Fisheries, Silver Spring, Maryland.

National Oceanic and Atmospheric Administration. 2023a. Bathymetric Data Viewer. https://www.ncei.noaa.gov/maps/bathymetry/. Accessed April 2023.

National Oceanic and Atmospheric Administration, National Marine Fisheries Service. 2023b. Essential Fish Habitat Mapper. https://www.fisheries.noaa.gov/resource/map/essential-fish-habitat-mapper. Accessed June 2023.

National Oceanic and Atmospheric Administration. 2022a. National Storm Surge Risk Maps. https://www.nhc.noaa.gov/nationalsurge/. Accessed May 2022.

National Oceanic and Atmospheric Administration. 2022b. Historical Hurricane Tracks. https://coast.noaa.gov/hurricanes/#map=4/32/-80. Accessed August 2022.

National Oceanic and Atmospheric Administration. 2022c. NCEI/WDS Global Historical Tsunami Database. https://www.ngdc.noaa.gov/hazel/view/hazards/tsunami/event-search. Accessed October 2022.

National Oceanic and Atmospheric Administration. 2022d. Storm Surge Overview. http://www.nhc.noaa.gov/surge/. Accessed August 2022.

National Oceanic and Atmospheric Administration. 2022e. Climate at a Glance Regional Mapping. https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/regional/mapping. Accessed October 2022.National Oceanic and Atmospheric Administration. 2022f. National Data Buoy Center. https://www.ndbc.noaa.gov/station_page.php?station=capl1. Accessed 2022.

National Oceanic and Atmospheric Administration. 2022g. White Shrimp. https://www.fisheries.noaa.gov/species/white-shrimp. Accessed August 2022.

National Oceanic and Atmospheric Administration. 2019. Reef Fish Essential Fish Habitat (EFH) Map & GIS Data. https://www.fisheries.noaa.gov/resource/map/reef-fish-essential-fish-habitat-efh-map-gis-data#:~:text=EFH%20for%20reef%20fish%20consists,to%20depths%20of%20100%20fathoms. Accessed June 2022.

National Oceanic and Atmospheric Administration. 2018. Why Is Submerged Aquatic Vegetation Designated As Essential Fish Habitat? https://www.fisheries.noaa.gov/content/why-submerged-aquatic-vegetation-designated-essential-fish-habitat. Accessed April 2021.

National Oceanic and Atmospheric Administration. 2017. Final Amendment 10 to the 2006 Consolidated Atlantic Highly Migratory Species Fishery Management Plan: Essential Fish Habitat and Environmental Assessment. https://media.fisheries.noaa.gov/dam-migration/final_a10_ea_signed_fonsi_092017.pdf. Accessed June 2022.

National Oceanic and Atmospheric Administration. 2016. Common Bottlenose Dolphin (Tursiops truncates truncatus): Gulf of Mexico Western Coastal Stock.

https://media.fisheries.noaa.gov/dam-migration/f2015_bodowcoastgmex508.pdf. Accessed April 2021.

National Oceanic and Atmospheric Administration. 2015. Environmental Response Management Application. Beach Oil Exposure. https://erma.noaa.gov/gulfofmexico#/layers=3+482+491+16973+10717&x=-93.48467&y=30.24561&z=9.0&panel=layer. Accessed February 2022.

National Oceanic and Atmospheric Administration. 2014. Loggerhead Sea Turtle Critical Habitat in the Northwest Atlantic Ocean. https://www.fisheries.noaa.gov/action/critical-habitat-loggerhead-sea-turtle. Accessed April 2021.

National Oceanic and Atmospheric Administration. 1986. Secretarial Fishery Management Plan for the Red Drum Fishery of the Gulf of Mexico. https://gulfcouncil.org/wp-content/uploads/Original-Fishery-Management-Plan.pdf. Accessed October 2021.

National Park Service. 2022. Interactive Map of NPS Wild and Scenic Rivers. https://nps.maps.arcgis.com/apps/View/index.html?appid=ff42a57d0aae43c49a88daee0e353142. Accessed February 2022.

National Park Service. 2020. Louisiana. https://www.nps.gov/state/la/index.htm. Accessed October 2021.

National Recreation Trails. 2021. National Recreation Trails Database. http://www.americantrails.org/NRTDatabase/trailList.php?usrTrailName=&usrTrailState=LA&usrTrailCounty=Cameron&usrTrailUse=. Accessed June 2021.

National Weather Service. 2022. Weather Related Fatality and Injury Statistics. https://www.weather.gov/hazstat/.

National Weather Service. 2021. Plate Tectonics and Earthquakes. https://www.weather.gov/jetstream/plates. Accessed February 2022.

National Wild and Scenic Rivers System. 2021. National Wild and Scenic Rivers. https://www.rivers.gov/. Accessed June 2021.

Natural Resource Conservation Service. 2020. Web Soil Survey. http://websoilsurvey.nrcs.usda.gov/. Accessed February 2022.

Newton County. 2020. Annual Financial Report For the Year Ended December 31, 2019. 2019 Audited Financial Statements.pdf (newton.tx.us). Accessed June 2021.

Newton County Schools. 2021. About Us Page. https://www.newtoncountyschools.org/. Accessed April 2021.

Nyman, J.A., Reid, C.S., Sasser, C.E., Linscombe, J., Hartley, S.B., Couvillion, B.R., and Villani, R.K. 2022. Vegetation Types in Coastal Louisiana in 2021 (ver. 2.0, April 2023): US Geological Survey data release. https://doi.org/10.5066/P9URYLMS. Accessed April 2023.

Occupational Safety & Health Administration. 2017. Methane. https://www.osha.gov/dts/chemicalsampling/data/CH_250700.html. Accessed November 2022.

Orange County Economic Development Corporation. 2021. School Districts. https://orangecountyedc.com/living-here/school-districts. Accessed October 2021.

Pahl, J. (2017). 2017 Coastal Master Plan: Attachment C-2: Eustatic Sea Level Rise. Version Final. (p. 23). Baton Rouge, Louisiana: Coastal Protection and Restoration Authority

Port of Lake Charles. 2021. The Calcasieu Ship Channel. https://portlc.com/calcasieu-ship-channel/. Accessed May 2021.

Port of Lake Charles. 2019. Calcasieu Ship Channel Traffic Study – 2018 Update. https://portlc.com/wp-content/uploads/2019/07/Traffic-Study-2018-Update-Final-and-2019-Wait-Time-Analysis.pdf. Accessed November 2022.

Prakken, L. 2014. Water Resources of Cameron Parish, Louisiana. U.S. Geological Survey. Fact Sheet 2013–3076, 6p. https://pubs.usgs.gov/fs/2013/3076/pdf/fs2013-3076.pdf. Accessed February 2022.

Renken, R. 1998. Groundwater Atlas of the United States: Arkansas, Louisiana, Mississippi. U.S. Geological Survey HA 730-F. Modified from Weiss, J. 1992. Geohydrologic units of the coastal lowlands aquifer system, south-central United States. U.S. Geological Survey Professional Paper 1416-C, 32p. http://pubs.usgs.gov/ha/ha730/ch_f/index.html. Accessed February 2022.

Robertson, S., M. Parker, G. Linam, S. Curtis, C. Robertson, A. Grubh, and M. Casarez. 2018. Middle and Lower Neches River Basin Bioassessment. Texas Parks and Wildlife Department, Inland Fisheries Division, River Studies Report No. 27.

Rudolph, D.C., L.A. Fitzgerald, R.E. Nelson, T. Hibbitts, and R.W. Maxey. 2002. Historical and local processes determining the current status of Macroclemys tesmminckii: The Alligator Snapping Turtle in Texas. Final Report, Texas Parks and Wildlife Department, Austin, TX. 74 pp

Rukstales, K.S., and Petersen, M.D., 2019, Data Release for 2018 Update of the U.S. National Seismic Hazard Model: U.S. Geological Survey data release, https://doi.org/10.5066/P9WT5OVB.

Scott, L.C. and G. Upton. 2020. The Louisiana Outlook: 2021 and 2022. Division of Economic Development. Louisiana State University's Division of Economic Development, Baton Rouge, Louisiana.

Scott, L.C. and J.S. Collins. 2018. The Louisiana Outlook: 2019 and 2020. Division of Economic Development. Louisiana State University's Division of Economic Development, Baton Rouge, Louisiana.

Scott, L.C., G. Upton, and J.S. Collins. 2019. The Louisiana Outlook: 2020 and 2021. Division of Economic Development. Louisiana State University's Division of Economic Development, Baton Rouge, Louisiana.

Shackelford, C.E and G.G. Simons.1999. Swallow-Tailed Kite in Texas – A Two-Year Report. https://tpwd.texas.gov/huntwild/wild/birding/swallow_tailed_kite/. Accessed October 2021.

Singh, M.M. 2014. The Mineral Industry of Louisiana. U.S. Geological Survey. https://www.usgs.gov/centers/nmic/mineral-industry-louisiana. Accessed February 2022.

Smoot, C. 1988. Louisiana Hydrologic Atlas Map No. 3: Altitude of the base of freshwater in Louisiana. U.S. Geological Survey Water-Resources Investigations Report 86-4314. http://pubs.er.usgs.gov/publication/wri864314. Accessed February 2022.

Soil Survey Division Staff. 2017. Soil Survey Manual. C, Ditzler, K. Scheffe, and H.C. Monger (eds.). U.S. Department of Agriculture Handbook 18. Government Printing Office, Washington, D.C.

Stevenson, D.A. and R.P. McCulloh. 2001. Earthquakes in Louisiana. Louisiana Geological Survey. https://www.lsu.edu/lgs/publications/products/Free_publications/La-earthquakes.pdf. Accessed August 2022.

SWLA Economic-Chamber Alliance. 2021. Economic Development. https://www.allianceswla.org/main/economic-development/. Accessed October 2021.

Texas Almanac. 2021. Nonpetroleum Minerals. https://texasalmanac.com/topics/business/nonpetroleum-minerals. Accessed February 2022.

Texas Almanac. 2017a. Jasper County. https://texasalmanac.com/topics/government/jasper-county. Accessed May 2021.

Texas Almanac. 2017b. Newton County. https://texasalmanac.com/topics/government/newton-county. Accessed May 2021.

Texas Commission on Environmental Quality. 2022a. Superfund Sites by County. https://www.tceq.texas.gov/remediation/superfund/sites/county. Accessed February 2022.

Texas Commission on Environmental Quality. 2022b. Texas Petroleum Storage Tanks. https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=d98a00a3964e49b4b9d60d6c96676969. Accessed February 2022.

Texas Commission on Environmental Quality. 2022c. Groundwater Contamination Viewer. https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=5a36690f56bc4f128588b19b092cbf91. Accessed February 2022.

Texas Commission of Environmental Quality. 2022d. Source Water Assessment & Protection Viewer. https://tceq.maps.arcgis.com/apps/webappviewer/index.html?id=217028ea4a01485f87db4d22aec72755. Accessed February 2022.

Texas Commission of Environmental Quality. 2020. 2020 Texas Integrated Report of Surface Water Quality for Clean Water Act Sections 305(b) and 303(d). https://www.tceq.texas.gov/waterquality/assessment/20twqi/20txir. Accessed February 2022.

Texas Commission of Environmental Quality. 2002a. Neches River Basin Summary. https://www.tceq.texas.gov/assets/public/waterquality/swqm/assess/02twqi/basin6.pdf. Accessed May 2021.

Texas Commission of Environmental Quality. 2002b. Sabine River Basin Summary. https://www.tceq.texas.gov/assets/public/waterquality/swqm/assess/02twqi/basin5.pdf. Accessed May 2021.

Texas Department of Agriculture. 2021. Noxious Weed List. https://www.texasinvasives.org/plant_database/tda_results.php?offset=30. Accessed April 2021.

Texas Department of Transportation. 2023. Statewide Traffic Analysis and Reporting System (STARS II). https://www.txdot.gov/data-maps/traffic-count-maps/stars.html. Accessed May 2023.

Texas Education Agency. 2021. 2020-2021 Student Enrollment. https://rptsvr1.tea.texas.gov/cgi/sas/broker?_service=marykay&_program=adhoc.addispatch.sas&major=st&minor=e&charsln=120&linespg=60&loop=1&countykey=&_debug=0&endyear=21&selsumm=so&key=jasper&grouping=e+&format=W. Accessed April 2021.

Texas Fire Connect. 2021. Search Fire Departments. https://fireconnect.tfs.tamu.edu/SearchFireDepartments/Index. Accessed April 2021.

Texas Hospital Association. 2021. Public List of Texas Hospitals. https://www.tha.org/. Accessed April 2021.

Texas Natural Resource Conservation Commission. 1999. State of Texas Source Water Assessment and Protection Program Strategy. https://www.tceq.texas.gov/downloads/drinking-water/swap/tx_strategy.pdf. Accessed November 2021.

Texas Parks and Wildlife Department. 2021a. Freshwater Fishes Found in Texas. https://tpwd.texas.gov/landwater/water/aquaticspecies/inland.phtml. Accessed September 2021.

Texas Parks and Wildlife Department. 2021b. Federal and State Listed Species in Texas. https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/nongame/listed-species/. Accessed 2021.

Texas Parks and Wildlife Department. 2021c. Letter dated May 18, 2021, from Rachel Lange (TPWD) to Kimberly Bose (FERC).

Texas Parks and Wildlife Department. 2021d. Black Bear (Ursus americanus). https://tpwd.texas.gov/huntwild/wild/species/blackbear/. Accessed October 2021.

Texas Parks and Wildlife Department. 2021e. Rafinesque's Big-eared Bat (Corynorhinus rafinesquii). https://tpwd.texas.gov/huntwild/wild/species/rafinesque/. Accessed October 2021.

Texas Parks & Wildlife. 2005. Ecologically Significant River & Stream Segments of Region I (East Texas) Regional Water Planning Area. https://tpwd.texas.gov/landwater/water/conservation/water_resources/water_quantity/sigsegs/media/reports/region_i/media_i/Region_I_optimized.pdf. Accessed April 2022.

Texas Petro Index. 2021. Texas Oil and Gas Economy Suffers Sharp Contraction in 2020. Texas Alliance of Energy Producers. https://texasalliance.org/texas-petro-index/. Accessed July 2021.

Texas Railroad Commission. 2022. Public GIS Viewer (Map). https://www.rrc.state.tx.us/resource-center/research/gis-viewer/. Accessed February 2022.

Texas Turtles. 2021. Alligator Snapping Turtle (Macrochelys temminckii). https://www.texasturtles.org/alligator-snapping-turtle. Accessed October 2021.

Texas Water Development Board. 2021a. Gulf Coast Aquifer. https://www.twdb.texas.gov/groundwater/docs/GulfCoastAquifer.pdf. Accessed February 2022.

Texas Water Development Board. 2021b. Water Well Data. https://www3.twdb.texas.gov/apps/waterdatainteractive/groundwaterdataviewer. Accessed February 2022.

The Advocate. 2020. "Louisiana's $2.4B seafood industry often missed in economic development efforts, study finds." https://www.theadvocate.com/acadiana/news/business/louisianas-2-4b-seafood-industry-often-missed-in-economic-development-efforts-study-finds/article_3b27cc32-35b8-11eb-97c8-0b2d6f1b1329.html. Accessed May 2023.

Titus, K. 2017. "Corynorhinus rafinesquii" (On-line), Animal Diversity Web. https://animaldiversity.org/accounts/Corynorhinus_rafinesquii/. Accessed October 2021.

Tollet, R.W., R.B. Fendick Jr., and L.B. Simmons (eds.). 2003. Quality of Water in Domestic Wells in Chicot and Chicot Equivalent Aquifer Systems, Southern Louisiana and Southwestern Mississippi, 2000-2001, U.S. Geological Survey Water Resources Investigation Report 03-4122. http://la.water.usgs.gov/publications/pdfs/WRI_03-4122.pdf. Accessed May 2021.

U.S. Army Corps of Engineers. 2021a. The Calcasieu Saltwater Barrier. https://www.mvn.usace.army.mil/Portals/56/docs/PAO/Brochures/CalcasieuSWB.pdf. Accessed April 2021.

U.S. Army Corps of Engineers. 2019. Joint Public Notice. https://www.mvn.usace.army.mil/Portals/56/docs/regulatory/publicnotices/2013_02198_PNall.pdf?ver=ggXXagQ0Kgo_RrSM66dZ7g%3d%3d. Accessed July 2021.

U.S. Army Corps of Engineers. 2016. Southwest Coastal Louisiana – Integrated Final Feasibility Report and Environmental Impact Statement. US Army Corps of Engineers. http://www.mvn.usace.army.mil/About/Projects/Southwest-Coastal. Accessed August 2022.

U.S. Army Corps of Engineers. 2015. Revised Integrated Draft Feasibility Report and Environmental Impact Statement. https://www.mvn.usace.army.mil/Portals/56/docs/PD/Projects/SWCoastal/2015/2015-03SWCDraftIntegratedReportandEIS.pdf. Accessed February 2022.

U.S. Army Corps of Engineers. 2014. Draft Environmental Impact Statement, Bayou Casotte Harbor Channel Improvement Project, Pascagoula, Mississippi. May 2014.

U.S. Army Corps of Engineers. 2012. Louisiana Coastal Area Barataria Basin Barrier Shoreline Restoration Project: Report Summary for Civil Works Review Board. https://www.doi.gov/sites/doi.gov/files/migrated/deepwaterhorizon/adminrecord/upload/USACOE-Integrated-Construction-Report-and-Final-Environmental-Impact-Statement-for-the-Barataria-Basin-Barrier-Shoreline-Restoration-BBBS-EIS-March-2012.pdf. Accessed April 2021.

U.S. Army Corps of Engineers. 2010a. Final Calcasieu River and Pass, Louisiana Dredged Material Management Plan and Supplemental Environmental Impact Statement. https://www.mvn.usace.army.mil/Portals/56/docs/PD/Projects/CalcasieuDMMP/DMMP_SEIS%20Main%20Report-November%2022%202010.pdf. Accessed April 2021.

U.S. Army Corps of Engineers. 2010b. Endangered Species Biological Assessment. Appendix L, Endangered Species Coordination. Final Calcasieu River and Pass Dredged Material Management Plan and Supplemental Environmental Impact Statement. https://www.mvn.usace.army.mil/Portals/56/docs/PD/Projects/CalcasieuDMMP/AppL-EndangeredSpecies.pdf. Accessed April 2021.

U.S. Army Corps of Engineers. 2009. Technical Reports Calcasieu River and Pass, Louisiana – Dredged Material and Management Plan Phase II. https://www.mvn.usace.army.mil/Portals/56/docs/PD/Projects/CalcasieuDMMP/AppA-ShoalingAppendix.pdf. Accessed October 2021.

U.S. Army Corps of Engineers. 1987. Corps of Engineers Wetland Delineation Manual. Technical Report Y-87-1. United States Corps of Engineers Research and Development Center, Vicksburg, Mississippi.

U.S. Bureau of Labor Statistics. 2021. Local Area Unemployment Statistics Map. https://data.bls.gov/lausmap/showMap.jsp;jsessionid=40600A2EBA433F79C567D4E9BADADFA2._t3_07v. Accessed April 2021.

U.S. Census Bureau. 2022. https://www.census.gov/programs-surveys/geography/about/glossary.html#par_textimage_4. Accessed February 2022.

U.S. Census Bureau. 2020a. American Community Survey 5 year estimates 2020. https://data.census.gov/cedsci/. Accessed April 2022.

U.S. Census Bureau. 2020b. America's Families and Living Arrangements: 2020. https://www.census.gov/data/tables/2020/demo/families/cps-2020.html. Accessed November 2022.

U.S. Census Bureau. 2019. American Community Survey 2015-2019 5-year estimates. https://data.census.gov/cedsci/. Accessed April 2021.

U.S. Census Bureau. 2010. 2010 Census Data. https://data.census.gov/cedsci/. Accessed April 2021.

U.S. Coast Guard. 2020. *Navigation Rules and Regulations Handbook.* https://www.navcen.uscg.gov/sites/default/files/pdf/navRules/Nav%20Rules%20Handbook_27OCT2022_85%20FR%2058268.pdf. Accessed April 2023.

U.S. Department of Agriculture. 2021. Natural Resources Conservation Service (NRCS). Wetlands Reserve Program. https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/home/?cid=nrcs141p2_018976. Accessed October 2021.

U.S. Department of Agriculture. 2018. National Agricultural Statistic Services, Census of Agriculture, 2017. https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Census_by_State/index.php. Accessed June 2021.

U.S. Department of Agriculture. 1999. Grassland Birds. Fish and Wildlife Habitat Management Leaflet. Number 8.

U.S. Department of the Navy. 2017. Technical Report: Criteria and Thresholds for U.S. Navy Acoustic and Explosive Effects Analysis (Phase III). San Diego, California: SSC Pacific.

U.S. Energy Information Administration. 2022. State Energy-Related Carbon Dioxide Emissions by Year, Unadjusted: Louisiana (March 2, 2021). https://www.eia.gov/environment/emissions/state/. Accessed August 2022.

U.S. Environmental Protection Agency. 2023a. EJScreen. https://www.epa.gov/ejscreen. Accessed May 2023.

U.S. Environmental Protection Agency. 2023b. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2021. U.S. Environmental Protection Agency, EPA 430-R-23-002. https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissionsand-sinks-1990-2021. Accessed June 2023.

U.S. Environmental Protection Agency. 2022a. EPA Sole Source Aquifers. https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b. Accessed February 2022.

U.S. Environmental Protection Agency. 2021a. EnviroAtlas Interactive Map. https://enviroatlas.epa.gov/enviroatlas/interactivemap/. Accessed February 2022.

U.S. Environmental Protection Agency. 2021b. UST Finder. https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=c220c67462e14763a8e0c4df75550278. Accessed February 2022.

U.S. Environmental Protection Agency. 2021c. ArcGIS Online Landfill Map. https://www.epa.gov/lmop/project-and-landfill-data-state. Accessed February 2022.

U.S. Environmental Protection Agency. 2021d. EnviroMapper: My Map – RCRA Hazardous Waste. https://enviro.epa.gov/enviro/em4ef.home. Accessed May 2021.

U.S. Environmental Protection Agency. 2021d. Overview of the Drinking Water Sole Source Aquifer Program. https://www.epa.gov/dwssa/overview-drinking-water-sole-source-aquifer-program#What_Is_SSA. Accessed February 2022.

U.S. Environmental Protection Agency. 2021e. Environmental Justice. https://www.epa.gov/environmentaljustice. Accessed May 2021.

U.S. Environmental Protection Agency. 2021f. NAAQS Table. https://www.epa.gov/criteria-air-pollutants/naaqs-table. Accessed April 2021.

U.S. Environmental Protection Agency. 2020. MOVES and Mobile Source Emissions Research. https://www.epa.gov/moves.

U.S. Environmental Protection Agency. 2016. Promising Practices for the EJ Methodologies in NEPA Reviews. https://www.epa.gov/sites/production/files/2016-08/documents/nepa_promising_practices_document_2016.pdf.

U.S. Environmental Protection Agency. 2014. National Pollutant Discharge Elimination System – Final Regulations To Establish Requirements for Cooling Water Intake Structures at Existing Facilities and Amend Requirements at Phase I Facilities. 40 CFR Parts 122 and 125. 79 FR 48300 [August 15, 2014].

U.S. Environmental Protection Agency. 2006. Ecoregions of North America. EPA, Western Ecology Division. Updated June 2006. https://www.epa.gov/eco-research/ecoregion-download-files-state-region-6#pane-16. Accessed April 2021.

U.S. Environmental Protection Agency. 1999. Consideration of Cumulative Impacts in EPA review of NEPA Documents.

U.S. Environmental Protection Agency. 1974. Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety. EPA/550/9-74-004. 242 pp.

U.S. Fish & Wildlife Service. 2022a. National Wetlands Inventory. U.S. Fish & Wildlife Service. https://data.nal.usda.gov/dataset/national-wetlands-inventory. Accessed August 2022.

U.S. Fish and Wildlife Service. 2022b. Species. https://www.fws.gov/species. Accessed February 2022.

U.S. Fish and Wildlife Service. 2022c. Cameron Prairie National Wildlife Refuge. https://www.fws.gov/refuge/cameron-prairie. Accessed February 2022.

U.S. Fish and Wildlife Service. 2021a. Guidance for Time of Year Restrictions on Colonial Water Birds and Wading Birds. https://www.fws.gov/southeast/pdf/guidelines/colonial-water-birds-and-wading-birds-louisiana.pdf. Accessed May 2021.

U.S. Fish and Wildlife Service. 2021b. Flyways. https://www.fws.gov/birds/management/flyways.php. Accessed April 2021.

U.S. Fish and Wildlife Service. 2021c. Next Steps for a Healthy Gulf of Mexico Watershed. https://www.fws.gov/southeast/gulf-restoration/next-steps/focal-area/chenier-plain/#:~:text=The%20Chenier%20Plain%20Focal%20Area,areas%20of%20intensive%20crop%20cultivation. Accessed May 2021.

U.S. Fish and Wildlife Service. 2021d. Information for Planning and Consultation (IPaC). https://ecos.fws.gov/ipac/. Accessed April 2021.

U.S. Fish and Wildlife Service. 2021e. Environmental Conservation Online System (ECOS). http://ecos.fws.gov/ecp/report/table/critical-habitat.html. Accessed April 2021.

U.S. Fish and Wildlife Service. 2021f. Louisiana Pigtoe (Pleurobema riddellii). https://ecos.fws.gov/ecp/species/10233. Accessed October 2021.

U.S. Fish and Wildlife Service. 2021h. Endangered and Threatened Wildlife and Plants; Threatened Species Status with Section 4(d) Rule for Alligator Snapping Turtle. https://www.federalregister.gov/documents/2021/11/09/2021-23994/endangered-and-threatened-wildlife-and-plants-threatened-species-status-with-section-4d-rule-for. Accessed November 2021.

U.S. Fish and Wildlife Service. 2019a. Coastal Barrier Resources System Mapper. https://www.fws.gov/cbra/maps/Mapper.html. Accessed February 2022.

U.S. Fish and Wildlife Service. 2019b. Louisiana Black Bear. https://www.fws.gov/southeast/wildlife/mammals/louisiana-black-bear/. Accessed October 2021.

U.S. Fish and Wildlife Service. 2018. Endangered and Threatened Wildlife and Plants; 12-Month Petition Finding and Threatened Species Status for Eastern Black Rail with a Section 4(d) Rule. Federal Register 83: October 5, 2018. https://www.federalregister.gov/documents/2018/10/09/2018-21799/endangered-and-threatened-wildlife-and-plants-12-month-petition-finding-and-threatened-species. Accessed June 2021.

U.S. Fish and Wildlife Service. 2018b. Recovery Plan for Spiranthes parksii (Navasota ladies'-tresses) Draft Amendment 1. https://ecos.fws.gov/docs/recovery_plan/Draft%20Navasota%20Ladies-tresses%20RP%20Amendment.pdf. Accessed April 2021.

U.S. Fish and Wildlife Service. 2017. Louisiana Pigtoe – Pleurobema riddellii. Arlington, Texas: Ecological Services Field Office. https://www.fws.gov/southwest/es/arlingtontexas/pdf/Louisiana%20pigtoe%20fact%20sheet%2020170301.pdf. Accessed October 2021.U.S. Fish and Wildlife Service. 2016. Red-cockaded Woodpecker Recovery. https://www.fws.gov/rcwrecovery/rcw.html. Accessed April 2021.

U.S. Fish and Wildlife Service. 2012. Sabine National Wildlife Refuge Habitat Management Plan. U.S. Department of the Interior, Fish and Wildlife Service. https://ecos.fws.gov/ServCat/DownloadFile/21249?Reference=22704. Accessed July 2021.

U.S. Fish and Wildlife Service. 2011. Endangered and Threatened Wildlife; 90-Day Finding on a Petition to List the Saltmarsh Topminnow as Threatened or Endangered Under the Endangered Species Act. Federal Register 76(154): August 10, 2011. https://www.govinfo.gov/content/pkg/FR-2011-08-10/pdf/2011-20335.pdf#page=1. Accessed June 2021.

U.S. Fish and Wildlife Service. 2008. Birds of Conservation Concern. https://www.fws.gov/migratorybirds/pdf/grants/birdsofconservationconcern2008.pdf. Accessed April 2021.

U.S. Fish and Wildlife Service. 2007. Navasota Ladies'-Tresses 5-Year Review: Summary and Evaluation. https://www.fws.gov/southwest/es/Documents/R2ES/Navasota%20Ladies'-Tresses%205-Year%20Review%2023Sep09.pdf. Accessed April 2021.

U.S. Fish and Wildlife Service. 1997. Texas Coastal Wetlands: Status and Trends, Mid 1950s to Early 1990s. https://digitalmedia.fws.gov/digital/collection/document/id/1372/rec/2. Accessed September 2022.

U.S. Forest Service. 2021. Find a State Forest. http://www.fs.fed.us/recreation/map/state_list.shtml. Accessed June 2021.

U.S. Geological Survey. 2022a. topoView. https://ngmdb.usgs.gov/topoview/viewer/#4/40.00/-100.00. Accessed September 2022.

U.S. Geological Survey. 2022b. Could It Happen Here? https://www.usgs.gov/centers/pcmsc/could-it-happen-here. Accessed October 2022.

U.S. Geological Survey. 2021a. Earthquakes. https://www.usgs.gov/natural-hazards/earthquake-hazards/earthquakes. Accessed February 2022.

U.S. Geological Survey. 2021b. Louisiana Coastal Wetlands: A Resource At Risk. https://pubs.usgs.gov/fs/la-wetlands/. Accessed July 2021.

U.S. Geological Survey. 2021c. Land Use and Land Cover. Available at https://www.usgs.gov/core-science-systems/science-analytics-and-synthesis/gap/science/land-cover-data-overview?qt-science_center_objects=0#qt-science_center_objects. Accessed June 2021.

U.S. Geological Survey. 2020a. U.S. Quaternary Faults. https://earthquake.usgs.gov/arcgis/rest/services/haz/Qfaults/MapServer. Accessed February 2022.

U.S. Geological Survey. 2020b. Karst Map of the Conterminous United States – 2020. https://www.usgs.gov/media/images/karst-map-conterminous-united-states-2020. Accessed February 2022.

U.S. Geological Survey. 2019a. 2018 National Seismic Hazard Model for the Conterminous U.S. https://www.sciencebase.gov/catalog/item/5d5597d0e4b01d82ce8e3ff1. Accessed February 2022.

U.S. Geological Survey. 2019b. The National Map Geographic Names Information System. http://geonames.usgs.gov/apex/f?p=gnispq. Accessed February 2022.

U.S. Geological Survey. 2018. Water Resources Special Report No. 18. Water Use in Louisiana, 2015. Published by Louisiana Department of Transportation and Development. Baton Rouge, Louisiana.

U.S. Geological Survey. 2017. Water Resources of Calcasieu Parish, Louisiana, Fact Sheet 2016-3066. https://pubs.usgs.gov/fs/2016/3066/fs20163066.pdf. Accessed 2021.

U.S. Geological Survey. 2014. Water Resources of Cameron Parish, Louisiana, Fact Sheet 2013-3076. https://pubs.usgs.gov/fs/2013/3076/pdf/fs2013-3076.pdf. Accessed October 2021.

U.S. Geological Survey. 2011a. Land Area Change in Coastal Louisiana from 1932 to 2010. https://pubs.usgs.gov/sim/3164/downloads/SIM3164_Pamphlet.pdf. Accessed August 2022.

U.S. Geological Survey. 2011b. Mineral Resources Data System. https://mrdata.usgs.gov/mrds/map-graded.html. Accessed February 2022.

U.S. Geological Survey. 2011c. Land Area Change in Coastal Louisiana from 1932 to 2010. https://pubs.usgs.gov/sim/3164/downloads/SIM3164_Pamphlet.pdf. Accessed May 2022.

U.S. Geological Survey. 2005. Louisiana geologic map data from: Preliminary integrated geologic map databases for the United States: Central States. USGS Open-File Report 2005-1351.

U.S. Geological Survey. 2004. Thickness of the Chicot Aquifer System Surficial Confining Unit and Location of Shallow Sands, Southwestern Louisiana. In cooperation with the Louisiana Department of Transportation. https://wise.er.usgs.gov/dp/pdfs/TR73.pdf. Accessed February 2022.

U.S. Geological Survey. n.d. Louisiana Coastal Wetlands: A Resource At Risk. https://pubs.usgs.gov/fs/la-wetlands/. Accessed August 2022.

University of New Orleans. 2019. Tourism Spending in Louisiana Parishes 2018. Prepared for Louisiana Department of Culture, Recreation and Tourism. May 2019. Available at https://www.crt.state.la.us/Assets/Tourism/research/documents/2018-2019/Louisiana%20Parishes%20Spending%20Report%202018%20Rev.pdf. Accessed April 2021.

Visit Lake Charles. 2021. Creole Nature Trail All-American Road. https://www.visitlakecharles.org/creole-nature-trail/. Accessed June 2021.

Wenger A.S., E. Harvey, S. Wilson, et al. 2017. A critical analysis of the direct effects of dredging on fish. Fish and Fisheries. 18:967–985.

Whale and Dolphin Conservation Society. 2004. Oceans of Noise 2004 – A WDCS Science Report.

Wheeler, R.L... and P.V. Heinrich. 1998. Fault number 1022, Gulf-margin normal faults, Louisiana and Arkansas. Quaternary Fault and Fold Database of the United States: U.S. Geological Survey. Available at https://earthquake.usgs.gov/cfusion/qfault/show_report_AB_archive.cfm?fault_id=1022&section_id=. Accessed October 2021.

Whiting, G.H. 1980. Geological Site Characterization Report, West Hackberry Salt Dome. Section II of Strategic Petroleum Reserve (SPR) Site Characterization Report, West Hackberry Salt Dome, Sandia National Laboratories Report SAND80-7131, published January 1981, Albuquerque, NM.

Young, et. al. 2016. FINAL REPORT: Identification of Potential Brackish Groundwater Production Areas – Gulf Coast Aquifer System. TWDB Contract Number 1600011947. Accessed September 2022.

Young, S.C., T. Ewing, S. Hamlin, E. Baker, and D. Lupton. 2012. Final Report: Updating the Hydrogeologic Framework for the Northern Portion of the Gulf Coast Aquifer. Prepared for the Texas Water Development Board. https://www.twdb.texas.gov/publications/reports/contracted_reports/doc/1004831113_GulfCoast.pdf. Accessed February 2022.