

Applicant: Transcontinental Gas Pipe Line Company, LLC (Transco)

Project Name: Atlantic Sunrise Project (Project)

Date: July 2017

Impact Number	Description of Impact (Fill, road/utility crossing, grading)	Resource Type (stream, wetland, floodway, body of water)	Resource Name	Chapter 93 Classification, Wetland Classification(EV or Other), or Floodway Type ¹	Wetland (Cowardin Classification) ²	Stream Type (Intermittent, Perennial)	Stream Trout Status (Class A Wild Trout, Wild Trout, Trout Stocked)	Resource ID
1	Utility Pipeline Crossing	Stream	UNT to Fishing Creek (WW-T10-001)	HQ-CWF, MF	R3	Perennial	Wild Trout Waters	WW-T10-001
2	Utility Pipeline Crossing	Stream	UNT to Fishing Creek (WW-T10-001)	HQ-CWF, MF	R3	Perennial	Wild Trout Waters	WW-T10-001
3	Utility Pipeline Crossing	Floodway	Floodway to UNT to Fishing Creek (WW-T10-001)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T10-001
4	Utility Pipeline Crossing	Floodway	Floodway to UNT to Fishing Creek (WW-T10-001)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T10-001
5	Utility Pipeline Crossing	Stream	Muddy Run (WW-T10-003)	TSF, MF	R3	Perennial	Approved Trout Waters	WW-T10-003
6	Utility Pipeline Crossing	Stream	Muddy Run (WW-T10-003)	TSF, MF	R3	Perennial	Approved Trout Waters	WW-T10-003
7	Utility Pipeline Crossing	Floodway	Floodway to Muddy Run / UNT to Muddy Run (WW-T10-003)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T10-003 / WW-T10-003A
8	Utility Pipeline Crossing	Floodway	Floodway to Muddy Run / UNT to Muddy Run (WW-T10-003)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T10-003 / WW-T10-003A
9	Utility Pipeline Crossing	Stream	UNT to Muddy Run (WW-T10-003A)	TSF, MF	R6	Ephemeral	Approved Trout Waters	WW-T10-003A
10	Utility Pipeline Crossing	Stream	UNT to Muddy Run (WW-T10-003A)	TSF, MF	R6	Ephemeral	Approved Trout Waters	WW-T10-003A
11	Utility Pipeline Crossing	Wetland	W-T10-003C	EV	PFO	N/A	N/A	W-T10-003C
12	Utility Pipeline Crossing	Wetland	W-T10-003C	EV	PFO	N/A	N/A	W-T10-003C
13	Utility Pipeline Crossing	Floodway	Floodway to UNT to Muddy Run (WW-T61-001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T61-001
14	Utility Pipeline Crossing	Stream	Tucquan Creek (WW-T10-004)	HQ-CWF, MF	R3	Perennial	Wild Trout Waters	WW-T10-004
15	Utility Pipeline Crossing	Stream	Tucquan Creek (WW-T10-004)	HQ-CWF, MF	R3	Perennial	Wild Trout Waters	WW-T10-004
16	Utility Pipeline Crossing	Floodway	Floodway to Tucquan Creek (WW-T10-004)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-004
17	Utility Pipeline Crossing	Floodway	Floodway to Tucquan Creek (WW-T10-004)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-004
18	Utility Pipeline Crossing	Wetland	W-T62-001A	EV	PEM	N/A	N/A	W-T62-001A
19	Utility Pipeline Crossing	Stream	UNT to Trout Run (WW-T62-001)	HQ-CWF, MF	N/A	Intermittent	Class A Wild Trout	WW-T62-001
20	Utility Pipeline Crossing	Stream	UNT to Trout Run (WW-T62-001)	HQ-CWF, MF	N/A	Intermittent	Class A Wild Trout	WW-T62-001
21	Utility Pipeline Crossing	Floodway	Floodway to UNT to Trout Run (WW-T62-001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T62-001

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22	Utility Pipeline Crossing	Floodway	Floodway to UNT to Trout Run (WW-T62-001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T62-001
23	Utility Pipeline Crossing	Wetland	W-T62-001C	EV	PFO	N/A	N/A	W-T62-001C
24	Utility Pipeline Crossing	Wetland	W-T62-001C	EV	PFO	N/A	N/A	W-T62-001C
25	Utility Pipeline Crossing	Wetland	W-T10-101C	None	PFO	N/A	N/A	W-T10-101C
26	Utility Pipeline Crossing	Wetland	W-T10-101C	None	PFO	N/A	N/A	W-T10-101C
27	Utility Pipeline Crossing	Wetland	W-T10-101A	None	PEM	N/A	N/A	W-T10-101A
28	Utility Pipeline Crossing	Wetland	W-T10-101A	None	PEM	N/A	N/A	W-T10-101A
29	Utility Pipeline Crossing	Stream	UNT to Climbers Run (WW-T10-100)	CWF, MF	R3	Perennial	None	WW-T10-100
30	Utility Pipeline Crossing	Stream	UNT to Climbers Run (WW-T10-100)	CWF, MF	R3	Perennial	None	WW-T10-100
31	Utility Pipeline Crossing	Floodway	Floodway to UNT to Climbers Run (WW-T10-100)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-100
32	Utility Pipeline Crossing	Floodway	Floodway to UNT to Climbers Run (WW-T10-100)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-100
33	Utility Pipeline Crossing	Stream	Climbers Run (WW-T20-002)	CWF, MF	R3	Perennial	None	WW-T20-002
34	Utility Pipeline Crossing	Stream	Climbers Run (WW-T20-002)	CWF, MF	R3	Perennial	None	WW-T20-002
35	Utility Pipeline Crossing	Floodway	Floodway to Climbers Run (WW-T20-002)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T20-002
36	Utility Pipeline Crossing	Floodway	Floodway to Climbers Run (WW-T20-002)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T20-002
37	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T31-002A)	WWF, MF	R3	Ephemeral	None	WW-T31-002A
38	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T31-002A)	WWF, MF	R3	Ephemeral	None	WW-T31-002A
39	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T31-002)	WWF, MF	R3	Perennial	None	WW-T31-002
40	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T31-002)	WWF, MF	R3	Perennial	None	WW-T31-002
41	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T31-002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T31-002
42	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T31-002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T31-002
43	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-001)	WWF, MF	N/A	Perennial	None	WW-T65-001

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44	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-001)	WWF, MF	N/A	Perennial	None	WW-T65-001
45	Utility Pipeline Crossing	Stream	Pequea Creek (WW-T31-003)	WWF, MF	R3	Perennial	None	WW-T31-003
46	Utility Pipeline Crossing	Stream	Pequea Creek (WW-T31-003)	WWF, MF	R3	Perennial	None	WW-T31-003
47	Utility Pipeline Crossing	Floodway	Floodway to Pequea Creek (WW-T31-003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-003
48	Utility Pipeline Crossing	Floodway	Floodway to Pequea Creek (WW-T31-003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-003
49	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T81-1001)	WWF, MF	R6	Ephemeral	None	WW-T81-1001
50	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T81-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T81-1001
51	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T81-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T81-1001
52	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T81-001)	WWF, MF	R3	Perennial	None	WW-T81-001
53	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T81-001)	WWF, MF	R3	Perennial	None	WW-T81-001
54	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T81-001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T81-001
55	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T81-001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T81-001
56	Utility Pipeline Crossing	Wetland	W-T81-001	None	PEM	N/A	N/A	W-T81-001
57	Utility Pipeline Crossing	Wetland	W-T81-001	None	PEM	N/A	N/A	W-T81-001
58	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T87-001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T87-001
59	Utility Pipeline Crossing	Wetland	W-T87-1001	None	PSS	N/A	N/A	W-T87-1001
60	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-1005)	WWF, MF	R4	Intermittent	None	WW-T65-1005
61	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-1005)	WWF, MF	R4	Intermittent	None	WW-T65-1005
62	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T65-1005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T65-1005
63	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T65-1005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T65-1005
64	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T25-1001)	WWF, MF	N/A	Intermittent	None	WW-T25-1001
65	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T25-1001)	WWF, MF	N/A	Intermittent	None	WW-T25-1001

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66	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T25-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T25-1001
67	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T25-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T25-1001
68	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-1002)	WWF, MF	N/A	Ephemeral	None	WW-T65-1002
69	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T65-1002)	WWF, MF	N/A	Ephemeral	None	WW-T65-1002
70	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T65-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T65-1002
71	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T65-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T65-1002
72	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T10-1003)	WWF, MF	R3	Perennial	None	WW-T10-1003
73	Utility Pipeline Crossing	Stream	UNT to Pequea Creek (WW-T10-1003)	WWF, MF	R3	Perennial	None	WW-T10-1003
74	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T10-1003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-1003
75	Utility Pipeline Crossing	Floodway	Floodway to UNT to Pequea Creek (WW-T10-1003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-1003
76	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T35-1002)	WWF, MF	R3	Perennial	None	WW-T35-1002
77	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T35-1002)	WWF, MF	R3	Perennial	None	WW-T35-1002
78	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T35-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T35-1002
79	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T35-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T35-1002
80	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T35-1002A)	WWF, MF	R3	Perennial	None	WW-T35-1002A
81	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T35-1002A)	WWF, MF	R3	Perennial	None	WW-T35-1002A
82	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T35-1002A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T35-1002A
83	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T35-1002A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T35-1002A
84	Utility Pipeline Crossing	Wetland	W-T35-1001	None	PEM	N/A	N/A	W-T35-1001
85	Utility Pipeline Crossing	Wetland	W-T35-1001	None	PEM	N/A	N/A	W-T35-1001
86	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T86-1001)	WWF, MF	R4	Intermittent	None	WW-T86-1001
87	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T86-1001)	WWF, MF	R4	Intermittent	None	WW-T86-1001

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88	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T86-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T86-1001
89	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T86-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T86-1001
90	Utility Pipeline Crossing	Wetland	W-T86-1001	None	PEM	N/A	N/A	W-T86-1001
91	Utility Pipeline Crossing	Wetland	W-T86-1001	None	PEM	N/A	N/A	W-T86-1001
92	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T84-1001)	WWF, MF	R3	Perennial	None	WW-T84-1001
93	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T84-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T84-1001
94	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T84-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T84-1001
95	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T85-1002)	WWF, MF	R4	Intermittent	None	WW-T85-1002
96	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T85-1002)	WWF, MF	R4	Intermittent	None	WW-T85-1002
97	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T85-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T85-1002
98	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T85-1002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T85-1002
99	Utility Pipeline Crossing	Stream	Conestoga River (WW-T20-1001)	WWF, MF	R3	Perennial	None	WW-T20-1001
100	Utility Pipeline Crossing	Stream	Conestoga River (WW-T20-1001)	WWF, MF	R3	Perennial	None	WW-T20-1001
101	Utility Pipeline Crossing	Floodway	Floodway to Conestoga River (WW-T20-1001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T20-1001
102	Utility Pipeline Crossing	Floodway	Floodway to Conestoga River (WW-T20-1001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T20-1001
103	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T36-1001A)	WWF, MF	R3	Perennial	None	WW-T36-1001A
104	Utility Pipeline Crossing	Stream	UNT to Conestoga River (WW-T36-1001A)	WWF, MF	R3	Perennial	None	WW-T36-1001A
105	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T36-1001A)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T36-1001A
106	Utility Pipeline Crossing	Floodway	Floodway to UNT to Conestoga River (WW-T36-1001A)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T36-1001A
107	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T42-1005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T42-1005
108	Utility Pipeline Crossing	Stream	UNT to Witmer Run (WW-T49-1001)	WWF, MF	N/A	Perennial	None	WW-T49-1001
109	Utility Pipeline Crossing	Stream	UNT to Witmer Run (WW-T49-1001)	WWF, MF	N/A	Perennial	None	WW-T49-1001

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110	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmer Run (WW-T49-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T49-1001
111	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmer Run (WW-T49-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T49-1001
112	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1002A)	WWF, MF	R3	Perennial	None	WW-T36-1002A
113	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1002A)	WWF, MF	R3	Perennial	None	WW-T36-1002A
114	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1002A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1002A
115	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1002A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1002A
116	Utility Pipeline Crossing	Wetland	W-T36-1002	None	PEM	N/A	N/A	W-T36-1002
117	Utility Pipeline Crossing	Wetland	W-T36-1002	None	PEM	N/A	N/A	W-T36-1002
118	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T92-1002)	WWF, MF	R6	Ephemeral	None	WW-T92-1002
119	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T92-1002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T92-1002
120	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T92-1002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T92-1002
121	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1004)	WWF, MF	R3	Perennial	None	WW-T36-1004
122	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1004)	WWF, MF	R3	Perennial	None	WW-T36-1004
123	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1004)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T36-1004
124	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1004)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T36-1004
125	Utility Pipeline Crossing	Stream	UNT to Witmer Run (WW-T92-1003)	WWF, MF	N/A	Ephemeral	None	WW-T92-1003
126	Utility Pipeline Crossing	Stream	UNT to Witmer Run (WW-T92-1003)	WWF, MF	N/A	Ephemeral	None	WW-T92-1003
127	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmer Run (WW-T92-1003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T92-1003
128	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmer Run (WW-T92-1003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T92-1003
129	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1006)	WWF, MF	R4	Intermittent	None	WW-T36-1006
130	Utility Pipeline Crossing	Stream	UNT to Witmers Run (WW-T36-1006)	WWF, MF	R4	Intermittent	None	WW-T36-1006
131	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1006)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1006

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132	Utility Pipeline Crossing	Floodway	Floodway to UNT to Witmers Run (WW-T36-1006)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1006
133	Utility Pipeline Crossing	Wetland	W-T36-1004 / W-T36-1004-1 / W-T36-1004-2	None	PEM	N/A	N/A	W-T36-1004 / W-T36-1004-1 / W-T36-1004-2
134	Utility Pipeline Crossing	Wetland	W-T36-1004	None	PEM	N/A	N/A	W-T36-1004
135	Utility Pipeline Crossing	Wetland	W-T36-1005	None	PEM	N/A	N/A	W-T36-1005
136	Utility Pipeline Crossing	Wetland	W-T36-1005	None	PEM	N/A	N/A	W-T36-1005
137	Utility Pipeline Crossing	Stream	Indian Run (WW-T36-1007)	WWF, MF	R3	Perennial	None	WW-T36-1007
138	Utility Pipeline Crossing	Stream	Indian Run (WW-T36-1007)	WWF, MF	R3	Perennial	None	WW-T36-1007
139	Utility Pipeline Crossing	Floodway	Floodway to Indian Run (WW-T36-1007)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1007
140	Utility Pipeline Crossing	Floodway	Floodway to Indian Run (WW-T36-1007)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T36-1007
141	Utility Pipeline Crossing	Stream	UNT to Indian Run (WW-T20-1005)	WWF, MF	R3	Perennial	None	WW-T20-1005
142	Utility Pipeline Crossing	Stream	UNT to Indian Run (WW-T20-1005)	WWF, MF	R3	Perennial	None	WW-T20-1005
143	Utility Pipeline Crossing	Floodway	Floodway to UNT to Indian Run (WW-T20-1005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T20-1005
144	Utility Pipeline Crossing	Floodway	Floodway to UNT to Indian Run (WW-T20-1005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T20-1005
145	Utility Pipeline Crossing	Floodway	Floodway to UNT to Indian Run (WW-T53-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T53-1001
146	Utility Pipeline Crossing	Stream	Witmers Run (WW-T24-1001)	WWF, MF	R3	Perennial	None	WW-T24-1001
147	Utility Pipeline Crossing	Stream	Witmers Run (WW-T24-1001)	WWF, MF	R3	Perennial	None	WW-T24-1001
148	Utility Pipeline Crossing	Floodway	Floodway to Witmers Run (WW-T24-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T24-1001
149	Utility Pipeline Crossing	Floodway	Floodway to Witmers Run (WW-T24-1001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T24-1001
150	Utility Pipeline Crossing	Stream	Stamans Run (WW-T11-2001)	WWF, MF	R3	Perennial	None	WW-T11-2001
151	Utility Pipeline Crossing	Stream	Stamans Run (WW-T11-2001)	WWF, MF	R3	Perennial	None	WW-T11-2001
152	Utility Pipeline Crossing	Floodway	Floodway to Stamans Run (WW-T11-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T11-2001
153	Utility Pipeline Crossing	Floodway	Floodway to Stamans Run (WW-T11-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T11-2001

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154	Utility Pipeline Crossing	Stream	UNT to Stamans Run (WW-T11-2002)	WWF, MF	R3	Perennial	None	WW-T11-2002
155	Utility Pipeline Crossing	Stream	UNT to Stamans Run (WW-T11-2002)	WWF, MF	R3	Perennial	None	WW-T11-2002
156	Utility Pipeline Crossing	Floodway	Floodway to UNT to Stamans Run (WW-T11-2002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T11-2002
157	Utility Pipeline Crossing	Floodway	Floodway to UNT to Stamans Run (WW-T11-2002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T11-2002
158	Utility Pipeline Crossing	Wetland	W-T32-2004	None	PFO	N/A	N/A	W-T32-2004
159	Utility Pipeline Crossing	Wetland	W-T32-2004	None	PFO	N/A	N/A	W-T32-2004
160	Utility Pipeline Crossing	Stream	Strickler Run (WW-T24-2001)	WWF, MF	R3	Perennial	None	WW-T24-2001
161	Utility Pipeline Crossing	Stream	Strickler Run (WW-T24-2001)	WWF, MF	R3	Perennial	None	WW-T24-2001
162	Utility Pipeline Crossing	Floodway	Floodway to Strickler Run (WW-T24-2001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T24-2001
163	Utility Pipeline Crossing	Floodway	Floodway to Strickler Run (WW-T24-2001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T24-2001
164	Utility Pipeline Crossing	Stream	UNT to Strickler Run (WW-T10-2005)	WWF, MF	R3	Perennial	None	WW-T10-2005
165	Utility Pipeline Crossing	Stream	UNT to Strickler Run (WW-T10-2005)	WWF, MF	R3	Perennial	None	WW-T10-2005
166	Utility Pipeline Crossing	Floodway	Floodway to UNT to Strickler Run (WW-T10-2005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2005
167	Utility Pipeline Crossing	Floodway	Floodway to UNT to Strickler Run (WW-T10-2005)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2005
168	Utility Pipeline Crossing	Stream	UNT to Strickler Run (WW-T81-2001)	WWF, MF	R3	Perennial	None	WW-T81-2001
169	Utility Pipeline Crossing	Stream	UNT to Strickler Run (WW-T81-2001)	WWF, MF	R3	Perennial	None	WW-T81-2001
170	Utility Pipeline Crossing	Floodway	Floodway to UNT to Strickler Run (WW-T81-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T81-2001
171	Utility Pipeline Crossing	Floodway	Floodway to UNT to Strickler Run (WW-T81-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T81-2001
172	Utility Pipeline Crossing	Stream	UNT to Shawnee Run (WW-T81-2003)	WWF, MF	R3	Perennial	None	WW-T81-2003
173	Utility Pipeline Crossing	Stream	UNT to Shawnee Run (WW-T81-2003)	WWF, MF	R3	Perennial	None	WW-T81-2003
174	Utility Pipeline Crossing	Floodway	Floodway to UNT to Shawnee Run (WW-T81-2003)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T81-2003
175	Utility Pipeline Crossing	Floodway	Floodway to UNT to Shawnee Run (WW-T81-2003)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T81-2003

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176	Utility Pipeline Crossing	Wetland	W-T81-2001	None	PEM	N/A	N/A	W-T81-2001
177	Utility Pipeline Crossing	Wetland	W-T81-2001	None	PEM	N/A	N/A	W-T81-2001
178	Utility Pipeline Crossing	Stream	Shawnee Run (WW-T10-2004)	WWF, MF	R3	Perennial	None	WW-T10-2004
179	Utility Pipeline Crossing	Stream	Shawnee Run (WW-T10-2004)	WWF, MF	R3	Perennial	None	WW-T10-2004
180	Utility Pipeline Crossing	Floodway	Floodway to Shawnee Run (WW-T10-2004)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2004
181	Utility Pipeline Crossing	Floodway	Floodway to Shawnee Run (WW-T10-2004)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2004
182	Utility Pipeline Crossing	Stream	UNT to Chiques Creek (WW-T10-2002)	WWF, MF	R3	Perennial	None	WW-T10-2002
183	Utility Pipeline Crossing	Stream	UNT to Chiques Creek (WW-T10-2002)	WWF, MF	R3	Perennial	None	WW-T10-2002
184	Utility Pipeline Crossing	Floodway	Floodway to UNT to Chiques Creek (WW-T10-2002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2002
185	Utility Pipeline Crossing	Floodway	Floodway to UNT to Chiques Creek (WW-T10-2002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T10-2002
186	Utility Pipeline Crossing	Stream	UNT to Chiques Creek (WW-T49-2001)	WWF, MF	N/A	Ephemeral	None	WW-T49-2001
187	Utility Pipeline Crossing	Stream	UNT to Chiques Creek (WW-T49-2001)	WWF, MF	N/A	Ephemeral	None	WW-T49-2001
188	Utility Pipeline Crossing	Floodway	Floodway to UNT to Chiques Creek (WW-T49-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T49-2001
189	Utility Pipeline Crossing	Floodway	Floodway to UNT to Chiques Creek (WW-T49-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T49-2001
190	Utility Pipeline Crossing	Stream	Chiques Creek (WW-T42-2003)	WWF, MF	R3	Perennial	None	WW-T42-2003
191	Utility Pipeline Crossing	Stream	Chiques Creek (WW-T42-2003)	WWF, MF	R3	Perennial	None	WW-T42-2003
192	Utility Pipeline Crossing	Floodway	Floodway to Chiques Creek (WW-T42-2003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T42-2003
193	Utility Pipeline Crossing	Floodway	Floodway to Chiques Creek (WW-T42-2003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T42-2003
194	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3003)	TSF, MF	R3	Perennial	None	WW-T31-3003
195	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3003)	TSF, MF	R3	Perennial	None	WW-T31-3003
196	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3003
197	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3003

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198	Utility Pipeline Crossing	Stream	Back Run (WW-T31-3004)	TSF, MF	R3	Perennial	None	WW-T31-3004
199	Utility Pipeline Crossing	Stream	Back Run (WW-T31-3004)	TSF, MF	R3	Perennial	None	WW-T31-3004
200	Utility Pipeline Crossing	Floodway	Floodway to Back Run (WW-T31-3004)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3004
201	Utility Pipeline Crossing	Floodway	Floodway to Back Run (WW-T31-3004)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3004
202	Utility Pipeline Crossing	Wetland	W-T31-3003	None	PEM	N/A	N/A	W-T31-3003
203	Utility Pipeline Crossing	Wetland	W-T31-3003	None	PEM	N/A	N/A	W-T31-3003
204	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3009)	TSF, MF	R3	Perennial	None	WW-T31-3009
205	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3009)	TSF, MF	R3	Perennial	None	WW-T31-3009
206	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3009)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3009
207	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3009)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3009
208	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3008)	TSF, MF	R3	Perennial	None	WW-T31-3008
209	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3008)	TSF, MF	R3	Perennial	None	WW-T31-3008
210	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3008))	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3008
211	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3008))	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3008
212	Utility Pipeline Crossing	Wetland	W-T31-3006	None	PEM	N/A	N/A	W-T31-3006
213	Utility Pipeline Crossing	Wetland	W-T31-3006	None	PEM	N/A	N/A	W-T31-3006
214	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3007)	TSF, MF	R3	Perennial	None	WW-T31-3007
215	Utility Pipeline Crossing	Stream	UNT to Back Run (WW-T31-3007)	TSF, MF	R3	Perennial	None	WW-T31-3007
216	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3007)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3007
217	Utility Pipeline Crossing	Floodway	Floodway to UNT to Back Run (WW-T31-3007)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3007
218	Utility Pipeline Crossing	Stream	UNT to Brubaker Run (WW-T31-3006)	WWF, MF	R3	Perennial	None	WW-T31-3006
219	Utility Pipeline Crossing	Stream	UNT to Brubaker Run (WW-T31-3006)	WWF, MF	R3	Perennial	None	WW-T31-3006

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220	Utility Pipeline Crossing	Floodway	Floodway UNT to Brubaker Run (WW-T31-3006)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3006
221	Utility Pipeline Crossing	Floodway	Floodway UNT to Brubaker Run (WW-T31-3006)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3006
222	Utility Pipeline Crossing	Wetland	W-T31-3004	None	PEM	N/A	N/A	W-T31-3004
223	Utility Pipeline Crossing	Wetland	W-T31-3004	None	PEM	N/A	N/A	W-T31-3004
224	Utility Pipeline Crossing	Stream	Brubaker Run (WW-T31-3005)	TSF, MF	R3	Perennial	None	WW-T31-3005
225	Utility Pipeline Crossing	Stream	Brubaker Run (WW-T31-3005)	TSF, MF	R3	Perennial	None	WW-T31-3005
226	Utility Pipeline Crossing	Floodway	Floodway to Brubaker Run (WW-T31-3005)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3005
227	Utility Pipeline Crossing	Floodway	Floodway to Brubaker Run (WW-T31-3005)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-3005
228	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3002A)	TSF, MF	R4	Intermittent	None	WW-T31-3002A
229	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3002A)	TSF, MF	R4	Intermittent	None	WW-T31-3002A
230	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3002)	TSF, MF	R3	Perennial	None	WW-T31-3002
231	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3002)	TSF, MF	R3	Perennial	None	WW-T31-3002
232	Utility Pipeline Crossing	Floodway	Floodway to UNT to Little Chiques Creek (WW-T31-3002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T31-3002
233	Utility Pipeline Crossing	Floodway	Floodway to UNT to Little Chiques Creek (WW-T31-3002)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T31-3002
234	Utility Pipeline Crossing	Wetland	W-T31-3002 / W-T31-3002-1	None	PEM	N/A	N/A	W-T31-3002 / W-T31-3002-1
235	Utility Pipeline Crossing	Wetland	W-T31-3002 / W-T31-3002-1	None	PEM	N/A	N/A	W-T31-3002 / W-T31-3002-1
236	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3001)	TSF, MF	R6	Ephemeral	None	WW-T31-3001
237	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T31-3001)	TSF, MF	R6	Ephemeral	None	WW-T31-3001
238	Utility Pipeline Crossing	Floodway	Floodway to UNT to Little Chiques Creek (WW-T31-3001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3001
239	Utility Pipeline Crossing	Floodway	Floodway to UNT to Little Chiques Creek (WW-T31-3001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T31-3001
240	Utility Pipeline Crossing	Stream	UNT to Little Chiques Creek (WW-T24-3001A)	TSF, MF	R3	Perennial	Approved Trout Waters, Trout Stocked Stream	WW-T24-3001A
241	Utility Pipeline Crossing	Floodway	Floodway to UNT to Little Chiques Creek (WW-T24-3001A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T24-3001A

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242	Utility Pipeline Crossing	Stream	Little Chiques Creek (WW-T24-3001)	TSF, MF	R3	Perennial	Approved Trout Waters, Trout Stocked Stream	WW-T24-3001
243	Utility Pipeline Crossing	Stream	Little Chiques Creek (WW-T24-3001)	TSF, MF	R3	Perennial	Approved Trout Waters, Trout Stocked Stream	WW-T24-3001
244	Utility Pipeline Crossing	Floodway	Floodway to Little Chiques Creek (WW-T24-3001)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T24-3001
245	Utility Pipeline Crossing	Floodway	Floodway to Little Chiques Creek (WW-T24-3001)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T24-3001
246	Utility Pipeline Crossing	Stream	Shells Run (WW-T30-4001)	TSF, MF	R3	Perennial	None	WW-T30-4001
247	Utility Pipeline Crossing	Stream	Shells Run (WW-T30-4001)	TSF, MF	R3	Perennial	None	WW-T30-4001
248	Utility Pipeline Crossing	Floodway	Floodway to Shells Run (WW-T30-4001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T30-4001
249	Utility Pipeline Crossing	Floodway	Floodway to Shells Run (WW-T30-4001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T30-4001
250	Utility Pipeline Crossing	Wetland	W-T30-4001	None	PEM	N/A	N/A	W-T30-4001
251	Utility Pipeline Crossing	Wetland	W-T30-4001	None	PEM	N/A	N/A	W-T30-4001
Access Roads								
252	Road Crossing	Floodway	Floodway to Pequea Creek (WW-T31-003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-003
253	Road Crossing	Floodway	Floodway to Pequea Creek (WW-T31-003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T31-003
254	Road Crossing	Floodway	Floodway to UNT to Strickler Run (WW-T25-2001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T25-2001
255	Road Crossing	Floodway	Floodway to Shells Run (WW-T25-4002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T25-4002
256	Road Crossing	Floodway	Floodway to UNT to Shells Run (WW-T88-003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T88-003
Water Withdrawal Locations								
257	Water Withdrawal	Stream	Conestoga River (WW-T88-002)	WWF, MF	N/A	N/A	N/A	WW-T88-002
258	Water Withdrawal	Floodway	Floodway to Conestoga River (WW-T88-002)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T88-002
259	Water Withdrawal	Stream	Chiques Creek (WW-T42-2003)	WWF, MF	R3	Perennial	None	WW-T42-2003
260	Water Withdrawal	Floodway	Floodway to Chiques Creek (WW-T42-2003)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T42-2003
Hibred Farms PRM Site								
RES 1	Channel Fill Stream Fill	Stream	UNT to Cocolico Creek	HQ, WWF, MF	N/A	Perennial	N/A	
RES 2	Crossing 1 Stream Fill	Stream	UNT to Cocolico Creek	HQ, WWF, MF	N/A	Perennial	N/A	

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RES 3	Crossing 1 Wetland Fill	Wetland	W-BJT-341	EV	PEM	N/A	N/A	
RES 4	Crossing 2 Stream Fill	Stream	UNT to Cocolico Creek	HQ, WWF, MF	N/A	Perennial	N/A	
RES 5	Crossing 2 Wetland Fill	Wetland	W-BJT-341	EV	PEM	N/A	N/A	
RES 6	Rock Ramp Transition Stream Fill	Stream	UNT to Cocolico Creek	HQ, WWF, MF	N/A	Perennial	N/A	
RES 7	Rock Ramp Transition Wetland Fill	Wetland	W-BJT-341	EV	PEM	N/A	N/A	
RES 8	Grade Log Stream Impact (Fill)	Stream	UNT to Cocolico Creek	HQ, WWF, MF	N/A	Perennial	N/A	
RES 9	Grade Log Stream Impact (Fill)	Wetland	W-BJT-341	EV	PEM	N/A	N/A	
RES 10	Grade Log Stream Impact (Fill)	Wetland	W-BJT-341	EV	PEM	N/A	N/A	

¹ CWF = Cold Water Fishery; MF = Migratory Fishes; EV = Exceptional Value; TSF = Trout Stocking Fishery; WWF = Warm Water Fishery; HQ = High Quality

² PFO = Palustrine Forested; PSS = Palustrine Scrub-Shrub; PEM = Palustrine Emergent; R3 = Perennial Stream; R4 = Intermittent Stream; R6 = Ephemeral Stream

³ Widths are reported as the maximum width for the feature. Stream lengths are reported on the impact maps as the sum of the permanent and temporary lengths.

⁴ Multiple streams are included in these calculations as the floodways overlap.

⁵ Includes both FEMA Detailed and Assumed 50 Foot Buffers.

⁶ Temporary impacts to PFO wetlands include temporal conversion from forested to scrub-shrub or emergent wetland. Within this wetland, a 30-foot-wide corridor centered over the pipeline will be permanently converted from forested to scrub-shrub or emergent wetland; the remainder of the wetland will be allowed to fully revert back to PFO.

⁷ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to installation of a rock construction entrance, installation of compost filter sock, and placement of timber matting over an existing culvert, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

⁸ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to installation of a rock construction entrance, culvert, rip rap apron and compost filter sock, and installation of grass pavers and associated access road grading, as well as vehicle traffic along the existing access road. The grading plan has been designed to be balanced so that there is no decrease in flood storage within the floodway. The fill volume is 145.8 cubic yards and the cut volume is 147.2 cubic yards, resulting in a net cut volume of 1.4 cubic yards. The grass paver detail is shown on the Access Road Erosion & Sediment

⁹ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of timber matting over the existing bridge, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

¹⁰ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of timber matting air bridge over the existing culvert, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

¹¹ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.