

APPENDIX N
Extra Workspaces Associated with the Leach XPress
Project

APPENDIX N – EXTRA WORKSPACE ASSOCIATED WITH
THE LEACH XPRESS PROJECT

APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
LEX						
2066	0.1	100	50	Road crossing	Industrial/ Forest	No
1992	0.1	100	50	Road crossing	Forest	No
2007	0.1	100	50	Stream	Forest	No
2008	0.2	100	50	Stream	Forest	No
1899	0.3	100	50	Stream	Forest	No
2069	0.5	100	50	Stream	Forest	No
2059	0.6	100	50	Parking	Agriculture	No
1993	0.7	100	50	Road crossing	Agriculture/ Industrial	No
1994	0.7	172	50	Road crossing/ Stream	Industrial/ Forest	No
2006	0.7	100	50	Stream	Forest	No
1995	1.3	100	50	Stream	Forest	No
1813	1.3	100	50	Stream/ Pipeline crossing	Forest/ Open land	No
1888	1.4	100	50	Stream	Forest	No
1889	1.4	100	50	Stream	Forest	No
1814	1.5	267	25	Side slope	Forest/ Open land	No
1943	1.5	100	50	Stream	Forest	No
1944	1.6	100	50	Stream	Forest	No
1892	1.6	437	25	Side slope	Forest	No
1815	1.7	250	125	Stream	Wetland (PEM)/ Open land	Yes
1816	1.8	250	125	Stream	Forest/ Open land	Yes
1866	2.2	100	50	Pipeline crossing	Agriculture	No
1817	2.2	450	25	Side slope	Agriculture/ Forest	No
1818	2.3	100	50	Stream	Forest	No
1819	2.3	100	50	Stream	Forest	No
2054	2.3	346	25	Side slope	Agriculture/ Forest	No
1867	2.4	125	50	Staging area	Agriculture/ Forest	No
1820	2.4	427	25	Side slope	Forest	No
1821	2.5	100	50	Stream	Forest	No
1822	2.6	100	50	Stream	Forest	No
1823	2.6	240	25	Side slope	Forest	No
2018	2.6	376	25	Side slope	Forest	No
1824	2.9	1108	25	Side slope	Agriculture/ Forest/ Open land	No
1825	3.1	100	50	Road crossing	Agriculture/ Industrial	No

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		Length	Width			
1826	3.1	125	50	Road crossing	Agriculture/ Industrial	No
1827	3.1	1146	15	TSS	Agriculture/ Forest	No
1828	3.4	200	15	TSS	Agriculture	No
1829	3.4	100	50	Stream	Agriculture	No
1830	3.5	100	50	Stream	Agriculture	No
1831	3.5	422	15	TSS	Agriculture/ Forest	No
1868	3.6	125	50	Staging area/ Parking	Agriculture	No
1869	3.6	113	15	TSS	Agriculture	No
1832	3.7	264	25	Side slope	Agriculture/ Forest	No
1893	3.7	529	25	Side slope	Forest	No
1833	3.8	100	50	Stream	Forest	No
1834	3.9	100	50	Stream	Forest/ Open land	No
1835	3.9	621	25	Side slope	Forest/ Open land	No
1836	4.0	100	50	Stream	Agriculture/ Forest	No
1837	4.1	535	15	TSS	Agriculture	No
1838	4.2	100	50	Road crossing	Agriculture/ Industrial	No
1839	4.2	100	50	Road crossing	Agriculture/ Industrial	No
1840	4.2	100	50	Stream	Agriculture/ Forest	No
1841	4.3	1278	15	TSS	Agriculture/ Forest	No
1894	4.5	100	50	Stream	Agriculture	No
1895	4.6	100	50	Stream	Agriculture	No
1896	4.6	672	15	TSS	Agriculture/ Forest	No
1842	4.7	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
1843	4.7	117	50	Road crossing/ Stream	Industrial/ Forest	No
1844	4.9	100	50	Stream	Forest	No
1871	5.0	196	25	Side slope	Agriculture	No
1872	5.0	125	50	Staging area/ Parking	Agriculture	No
1846	5.1	261	25	Side slope	Agriculture/ Forest	No
1897	5.1	549	25	Side slope	Agriculture/ Forest	No
1898	5.3	278	25	Side slope	Agriculture/ Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1847	5.3	880	15	TSS	Agriculture/ Forest	No
1848	5.6	349	15	TSS	Agriculture	No
1849	5.7	143	15	TSS	Agriculture	No
1850	5.8	175	50	Staging area	Agriculture/ Forest	No
1851	5.9	100	50	Road crossing	Industrial/ Forest	No
1852	5.9	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
1853	6.0	100	50	Stream	Agriculture/ Forest	No
1854	6.0	198	15	TSS	Agriculture	No
1855	6.1	101	15	TSS	Agriculture	No
1856	6.2	393	15	TSS	Agriculture	No
1857	6.2	100	50	Stream	Agriculture	No
1858	6.4	100	50	Stream	Forest	No
1859	6.5	212	50	Road crossing	Forest/ Open land	No
1860	6.8	100	50	Stream	Forest	No
1861	6.8	110	50	Stream	Forest	No
1862	6.9	100	50	Stream	Forest	No
1863	7.0	100	50	Stream	Forest	No
1864	7.3	150	75	Staging area	Forest/ Open land	No
2073	7.8, RR-1	150	50	Stream	Forest	No
2074	7.9, RR-1	100	50	Stream	Forest	No
43	8.0, RR-1	209	50	Road crossing	Forest/ Open land	No
2123	8.0, RR-1	95	25	Road crossing	Open land	No
2124	8.0, RR-1	103	20	Road crossing	Residential/ Open land	No
2125	8.0, RR-1	146	50	Pipeline crossing	Open land	No
2126	8.1, RR-1	130	25	Pipeline crossing	Forest/ Open land	No
2128	8.3, RR-1	150	25	Stream	Forest	Yes
2129	8.4, RR-1	80	25	Stream	Forest	No
2130	8.4, RR-1	160	20	Stream	Forest	No
2131	8.5, RR-1	100	50	Stream	Forest	No
2132	8.5, RR-1	126	25	Side slope	Forest	No
2133	8.6, RR-1	134	50	Road crossing	Forest	No
2134	8.7, RR-1	131	50	Road crossing	Forest	No
2135	8.7, RR-1	178	15	TSS	Agriculture	No
2136	8.8, RR-1	100	50	Pipeline crossing	Forest	No
2137	8.8, RR-1	195	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
2138	9.0, RR-1	100	50	Pipeline crossing	Forest/ Open land	No
2139	9.0, RR-1	168	50	Stream	Forest	No
2140	9.1, RR-1	100	50	Stream	Forest	No
2141	9.2, RR-1	61	15	TSS	Agriculture	No
2142	9.2, RR-1	100	50	Bend	Agriculture	No
1226	9.2, RR-1	228	15	TSS	Agriculture/ Forest	No
1903	9.4, RR-1	100	50	Stream	Forest	No
1904	9.4, RR-1	100	50	Stream	Agriculture/ Forest	No
1227	9.4, RR-1	362	15	TSS	Agriculture / Forest Wetland (PEM)/	No
49	9.7	100	50	Road crossing	Agriculture/ Industrial	Yes
1229	9.8	206	15	TSS	Agriculture/ Forest	No
1230	10.2	100	50	Pipeline crossing	Agriculture	No
1231	10.2	682	15	TSS	Agriculture	No
1232	10.4	100	50	Stream	Forest	No
1233	10.5	100	50	Stream	Forest	No
1234	10.5	112	15	TSS	Agriculture	No
1235	10.6	91	15	TSS	Agriculture/ Forest	No
51	10.6	100	100	Road crossing/ Parking	Agriculture/ Industrial	No
52	10.6	100	50	Road crossing	Industrial/ Forest/ Open land	No
1236	10.7	417	15	TSS	Agriculture/ Forest/ Open land	No
1237	10.9	559	25	Side slope	Forest/ Open land	No
53	11.1	280	25	Side slope	Forest	No
1238	11.2	100	50	Pipeline crossing	Forest/ Open land	No
1239	11.3	100	50	Pipeline crossing	Agriculture/ Forest	No
1240	11.3	294	15	TSS	Agriculture/ Industrial/ Forest	No
54	11.3	100	100	Road crossing/ Parking	Agriculture/ Industrial/ Forest	No
55	11.4	160	50	Road crossing/ Stream	Agriculture/ Industrial	No
1242	11.5	100	50	Wetland/ Stream	Forest	No
56	11.5	751	25	Side slope	Agriculture/ Forest	No
1243	11.7	100	50	Stream	Forest	No

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		Length	Width			
1244	11.7	100	50	Stream	Forest	No
1245	11.7	715	15	TSS	Agriculture/ Forest	No
1905	11.9	100	50	Stream	Agriculture	No
1906	11.9	100	50	Stream	Agriculture/ Forest	No
1246	11.9	424	15	TSS	Agriculture/ Forest	No
1247	12.0	100	50	Stream	Agriculture/ Forest	No
1248	12.1	100	50	Stream	Forest	No
57	12.1	726	25	Side slope	Forest	No
1249	12.3	213	15	TSS	Agriculture/ Forest	No
58	12.4	150	50	Road crossing	Industrial/ Forest	No
59	12.4	25	50	Road crossing	Agriculture/ Industrial/ Forest/ Open land	No
1907	12.5	229	50	Stream	Forest	No
1909	12.6	100	50	Stream	Forest	No
1250	12.6	47	25	Side slope	Forest	No
1252	12.8	100	50	Stream	Forest	No
1253	12.9	556	15	TSS	Agriculture	No
1254	13.1	533	15	TSS	Agriculture	No
1911	13.2	100	50	Stream	Agriculture/ Forest	No
1912	13.2	100	50	Stream	Agriculture/ Forest	No
1255	13.2	102	15	TSS	Agriculture/ Residential	No
62	13.3	100	50	Road crossing	Agriculture/ Industrial/ Residential	No
63	13.3	100	50	Road crossing	Agriculture/ Industrial	No
64	13.3	117	25	Side slope	Agriculture/ Forest	No
1256	13.3	100	50	Stream/ Wetland	Agriculture/ Forest	No
1257	13.4	100	50	Stream	Forest	No
1258	13.5	205	25	Side slope	Forest	No
1259	13.5	100	50	Stream	Forest	No
1260	13.6	100	50	Stream	Forest	No
1261	13.7	386	15	TSS	Agriculture	No
1262	13.9	100	50	Stream	Forest/ Open land	No
1263	14.0	100	50	Stream	Forest	No
2143	14.08	142	50	Pipeline crossing	Forest/	No

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		Length	Width			
2159	14.1, RR-2	213	Variable	Bend	Agriculture	No
2144	14.2, RR-2	150	50	Pipeline crossing	Forest	No
2145	14.2, RR-2	200	50	Side slope	Forest	No
2146	14.4, RR-2	200	50	Side slope	Forest	No
2147	14.5, RR-2	300	50	Pipeline crossing	Forest/ Open land	No
2148	14.6, RR-2	200	50	Pipeline crossing	Agriculture	No
2149	14.6, RR-2	138	15	TSS	Agriculture	No
2150	14.7, RR-2	153	15	TSS	Agriculture/ Open land	No
2151	14.8, RR-2	100	50	Pipeline crossing	Agriculture	No
2152	14.8, RR-2	100	50	Pipeline crossing	Agriculture/ Forest	No
2153	14.8, RR-2	100	50	Side slope	Forest	No
2154	15.0, RR-2	150	50	Side slope	Forest	No
2155	15.2, RR-2	150	Variable	Side slope	Forest	No
2156	15.3, RR-2	125	50	Side slope	Forest	No
2157	15.6, RR-2	100	50	Side slope	Forest	No
2158	15.8, RR-2	118	50	Pipeline crossing	Forest	No
2167	15.1	100	50	Pipeline crossing	Open Land/ Forest	No
1264	15.2	526	25	Side slope	Forest	No
1265	15.2	100	50	Stream	Forest	No
1266	15.3	349	25	Side slope	Forest	No
1913	15.3	97	25	Side slope	Forest/ Open land	No
69	15.4	100	50	Road crossing	Forest/ Open land	No
70	15.4	73	50	Road crossing	Forest	Yes
1267	15.5	58	50	Stream	Forest	Yes
1268	15.6	220	50	Stream	Forest	Yes
1269	15.6	100	50	Stream	Agriculture/ Forest	No
1270	15.6	100	50	Pipeline crossing	Agriculture	No
1271	15.7	88	50	Stream	Forest	No
1272	15.7	100	50	Stream	Forest	Yes
1741	15.9	723	25	Side slope	Forest	No
1273	16.1	100	50	Stream/ Road crossing	Forest	No
72	16.1	215	50	Road crossing/ Stream	Industrial/ Forest	No
1275	16.3	100	50	Stream	Forest/ Open land	No
1742	16.3	245	15	TSS	Agriculture/ Open land	No
1276	16.4	100	50	Stream	Forest	No

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		Length	Width			
1277	16.6	100	50	Stream	Forest	No
2114	16.7, RR-3	83	50	Pipeline crossing	Agriculture	No
2115	16.7, RR-3	66	50	Road crossing	Agriculture	No
2116	16.7, RR-3	162	50	Road crossing	Agriculture	No
2117	16.8, RR-3	150	50	Side slope	Forest	No
2118	16.9, RR-3	125	50	Side slope	Agriculture	No
2119	16.9, RR-3	540	15	TSS	Agriculture	No
2120	17.0, RR-3	150	65	Pipeline crossing	Agriculture	No
2121	17.1, RR-3	240	50	Side slope	Agriculture/ Industrial	No
2122	17.1, RR-3	100	50	Side slope	Agriculture/ Industrial	No
1280	17.6	100	50	Parking	Industrial/ Open land	No
73	17.6	100	50	Road crossing	Industrial/ Open land	No
1281	17.6	671	15	TSS	Agriculture/ Industrial/ Open land/ Residential	No
1282	17.7	100	50	Stream	Open land	No
1283	17.8	100	50	Stream	Open land	No
1284	17.9	100	50	Stream	Agriculture/ Forest	No
1285	17.9	100	50	Stream	Forest	No
1996	18.1	100	50	Stream	Forest	No
1286	18.2	100	50	Stream	Forest	No
1287	18.2	100	50	Stream	Agriculture	No
1289	18.3	137	15	TSS	Agriculture	No
1917	18.3	100	50	Stream	Agriculture/ Forest	No
1290	18.3	100	50	Stream	Forest/ Open land	No
1291	18.4	100	50	Stream	Forest/ Open land	No
1292	18.5, RR-4	100	50	Stream	Agriculture/ Open land	No
1293	18.5, RR-4	119	15	Agriculture area	Agriculture	No
2082	18.5, RR-4	109	43	Grading	Agriculture/ Open land/ Forest	No
2083	18.6, RR-4	Variable	Variable	Grading	Agriculture	No
75	18.5	150	75	Road crossing/ Parking	Agriculture/ Industrial/ Open land	No
76	18.6	100	50	Road crossing	Industrial/ Forest/ Open land	No
1918	18.7	100	50	Stream	Forest	No
1294	18.8	100	50	Stream	Forest	No
1295	18.8	852	25	Side slope	Forest/ Open	No

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		Length	Width			
					land	
1990	19.1	92	50	Road crossing	Industrial/ Forest	No
1991	19.1	100	50	Road crossing	Industrial/ Forest	No
80	19.2	270	50	Stream	Forest	No
81	19.3	100	50	Stream	Forest	No
1885	19.3	172	25	Side slope	Forest	No
1886	19.4	425	25	Side slope	Forest	No
1887	19.5	126	25	Side slope	Forest	No
1296	19.6	3367	25	Side slope	Agriculture/ Forest	No
1884	20.3	100	50	Staging area	Agriculture	No
1882	20.3	182	15	TSS	Agriculture	No
1300	20.3	112	25	Side slope	Agriculture/ Forest	No
1919	20.3	1074	25	Side slope	Forest	No
1298	20.6	100	50	Stream	Forest/ Open land	No
1299	20.6	671	50	Stream/ Steep Terrain	Forest	No
1883	20.9	125	50	Staging area	Forest	No
1920	21.0	100	50	Stream	Forest	No
1921	21.0	100	50	Stream	Agriculture	No
					Wetland (PEM)/ Agriculture/ Open land	
94	21.1	200	100	HDD		Yes
1178	21.1	1,225	50	HDD	Agriculture/ Forest	Yes
1301	21.2	100	50	Parking	Agriculture/ Industrial	Yes
1302	21.3	20	20	Water Uptake	Forest	Yes
1303	21.3	20	20	Water Uptake	Forest	Yes
95	21.4	200	100	HDD	Agriculture	No
1922	21.4	100	50	Wetland	Forest/ Open land	No
1923	21.5	100	50	Wetland	Forest	No
96	21.6	945	25	Side slope	Forest	No
1304	21.7	100	50	Stream	Forest	No
1305	21.8	100	50	Stream	Forest	No
1623	21.8	672	25	Side slope	Forest	No
1924	22.0	100	50	Stream	Forest	No
1925	22.0	118	50	Stream	Forest	No
1926	22.1	100	50	Stream	Forest	No
1927	22.1	827	25	Side slope	Forest/ Open land	No
98	22.3	100	50	Road crossing	Industrial/ Forest/ Open land	No

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		Length	Width			
99	22.3	69	50	Road crossing	Industrial/ Forest/ Open land	No
1306	22.5	100	50	Stream	Forest	No
100	22.5	473	25	Side slope	Forest/ Open land	No
1307	22.6	100	50	Stream	Forest	No
1308	22.6	100	50	Stream	Forest	No
1624	22.6	384	25	Side slope	Agriculture/ Forest	No
1309	22.7	100	50	Stream/ Wetland	Forest	No
1310	22.8	100	50	Stream/ Wetland	Agriculture/ Forest	No
1311	22.8	1245	15	TSS	Agriculture/ Forest	No
101	23.0	622	25	Side slope	Forest	No
1312	23.2	100	50	Stream/ Wetland	Forest	No
1313	23.3	100	50	Stream	Forest	No
1626	23.3	1794	25	Side slope	Forest	No
1314	23.7	100	50	Stream	Forest	No
1315	23.7	100	50	Stream	Forest	No
1316	23.7	231	25	Side slope	Forest	No
1318	23.9	100	50	Stream	Forest	No
1317	24.0	100	50	Stream	Forest	No
2055	24.2	100	50	Pipeline crossing	Agriculture	No
1747	24.4	135	100	Staging area	Agriculture	No
1746	24.4	235	100	Staging area	Agriculture/ Forest	No
1325	24.4	448	25	Side slope	Agriculture	No
1928	24.5	100	50	Stream	Agriculture/ Forest	No
1929	24.6	100	50	Stream	Agriculture/ Open land	No
1324	24.6	383	15	TSS	Agriculture/ Forest	No
1322	25.0	106	25	Side slope	Forest	No
1321	25.0	100	50	Stream	Forest	No
1320	25.1	100	50	Stream	Forest	No
1930	25.1	128	50	Stream	Forest	No
105	25.2	201	100	HDD	Forest	Yes
106	25.8, RR-5	Variable	Variable	HDD	Forest/ Open land	Yes
2084	25.9, RR-5	Variable	Variable	HDD	Forest	Yes
2090	26.2, RR-5	200	50	Side slope	Forest	No
2091	26.8, RR-5	150	50	Side slope	Forest/ Open land	No
2092	27.1, RR-5	231	50	Side slope	Forest/ Open land	No

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1328	27.0	429	25	Side slope	Forest	No
1329	27.1	100	50	Stream	Forest	No
1332	27.2	100	50	Stream	Forest	No
1330	27.2	664	25	Side slope	Forest	No
1331	27.3	100	50	Stream	Forest	No
1333	27.4	100	50	Stream	Forest	No
1327	27.4	573	25	Side slope	Forest	No
110	27.6	164	25	Side slope	Agriculture/ Forest/ Open land	No
1334	27.7	214	15	TSS	Agriculture	No
1335	27.7	319	25	Side slope	Agriculture/ Forest	No
111	27.8	100	50	Stream	Forest	No
113	27.9	222	50	Road crossing/ Stream	Agriculture/ Industrial/ Forest	No
114	27.9	100	50	Road crossing	Agriculture/ Industrial	No
115	27.9	353	25	Side slope	Agriculture/ Forest	No
116	28.0	100	50	Stream	Agriculture/ Forest	No
117	28.1	271	25	Side slope	Forest/ Open land	No
1336	28.2	149	15	TSS	Agriculture	No
119	28.3	718	25	Side slope	Agriculture/ Forest/ Open land	No
120	28.4	100	50	Stream	Forest	No
121	28.4	100	50	Stream	Forest	No
122	28.5	84	25	Side slope	Forest	No
123	28.5	96	50	Stream	Forest	No
124	28.6	100	50	Stream	Forest	No
125	28.6	282	25	Side slope	Agriculture/ Industrial/ Forest	No
1931	28.7	100	50	Stream	Forest	No
1932	28.9	100	50	Stream	Forest	No
1933	28.9	100	50	Stream	Forest	No
130	29.1	146	50	Road crossing/ Stream	Agriculture/ Industrial	No
131	29.1	243	50	Road crossing/ Stream	Agriculture/ Industrial	No
1338	29.2	138	25	Side slope	Agriculture/ Forest	No
1339	29.2	647	15	TSS	Agriculture	No
1340	29.4	100	50	Stream	Agriculture/ Forest	No
1759	29.5	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1342	29.5	149	25	Side slope	Agriculture/ Forest	No
1343	29.5	791	15	TSS	Agriculture	No
1777	29.7	270	25	Side slope	Agriculture/ Forest	No
134	29.7	100	50	Stream	Forest	No
135	29.8	100	50	Stream	Forest	No
1345	29.8	257	25	Side slope	Forest	No
1764	29.8	773	15	TSS	Agriculture/ Forest	No
138	30.0	196	50	Stream	Agriculture/ Forest	No
1768	30.3	530	15	TSS	Agriculture/ Forest/ Open land	No
145	30.4	100	50	Road crossing	Agriculture/ Industrial	Yes
146	30.5	162	25	Road crossing/ Stream	Agriculture/ Industrial/ Forest	No
1766	30.5	100	50	Stream	Agriculture	No
1770	30.6	277	15	TSS	Agriculture	No
148	30.6	100	50	Road crossing	Agriculture/ Industrial	No
149	30.6	100	50	Road crossing	Industrial/ Forest	No
150	30.6	1565	25	Side slope	Forest	No
151	31.1	100	50	Wetland/ Stream	Forest	No
1772	31.3	229	15	TSS	Agriculture/ Forest	No
155	31.4	100	Varies	Road crossing	Agriculture/ Industrial	No
156	31.4	100	30	Road crossing/ Stream	Industrial/ Forest	No
1351	31.6	286	15	TSS	Agriculture/ Forest	No
1934	31.7	372	15	TSS	Agriculture/ Forest	No
161	31.7	100	50	Road crossing	Agriculture/ Industrial	No
162	31.7	100	50	Road crossing	Agriculture/ Industrial	No
167	31.9	100	50	Stream	Forest	No
168	31.9	1498	25	Side slope	Forest/ Open land	No
169	32.2	100	50	Stream	Forest	No
170	32.3	100	50	Stream	Forest	No
171	32.3	880	25	Side slope	Forest	No
172	32.4	100	50	Stream	Forest	No
173	32.5	185	50	Stream	Forest	No

APPENDIX N – EXTRA WORKSPACE ASSOCIATED WITH
THE LEACH XPRESS PROJECT

APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
174	32.6	100	50	Stream	Forest	No
1775	32.6	774	15	TSS	Agriculture/ Forest	No
175	32.8	100	50	Road crossing	Industrial/ Forest	No
176	32.8	239	50	Road crossing/ Stream	Industrial/ Forest	No
177	32.9	100	50	Stream	Forest	No
178	32.9	249	25	Side slope	Forest	No
179	33.0	100	50	Stream	Forest	No
181	33.1	100	50	Stream	Forest	No
1354	33.1	1428	25	Side slope	Forest	No
182	33.4	100	50	Stream	Forest	No
183	33.4	100	50	Stream	Forest	No
185	33.4	1201	25	Side slope	Forest	No
1749	33.7	2427	25	Side slope	Industrial/ Forest/ Open land	No
186	34.1	167	Varies	Road crossing	Agriculture/ Industrial	No
1778	34.3	390	15	TSS	Agriculture/ Industrial	No
190	34.4	227	25	Side slope	Agriculture/ Forest	No
1782	34.4	818	25	Side slope	Forest	No
192	34.6	100	50	Stream	Forest	No
193	34.6	100	50	Stream	Forest	No
1357	34.7	421	25	Side slope	Forest/ Open land	No
195	34.7	100	50	Stream	Forest	No
196	34.8	97	50	Stream	Forest/ Open land	No
199	35.1	100	50	Stream	Forest	No
201	35.2	183	50	Stream	Forest	No
1063	35.4	822	25	Side slope	Forest	No
1781	35.5	395	15	TSS	Agriculture/ Forest	No
203	35.6	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
204	35.6	206	50	Road crossing	Agriculture/ Industrial	No
205	35.7	195	50	Road crossing	Industrial/ Open land	No
1064	35.8	246	25	Side slope	Open land	No
1750	35.9	242	15	TSS	Agriculture	No
1341	35.9	100	50	Stream	Agriculture	No
1755	36.0	100	50	Stream	Agriculture	No
1751	36.0	314	15	TSS	Agriculture/ Forest	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
206	36.1	100	50	Road crossing	Agriculture/ Forest	No
207	36.1	100	50	Road crossing	Agriculture	No
1776	36.1	207	15	TSS	Agriculture	No
1756	36.2	100	50	Stream	Agriculture	No
1765	36.3	100	50	Stream	Agriculture	No
1769	36.3	1115	15	TSS	Agriculture/ Forest/ Open land	Yes
1065	36.5	100	50	Road crossing	Agriculture/ Industrial	Yes
1066	36.5	100	50	Road crossing/ Stream	Agriculture	No
1767	36.6	650	15	TSS	Agriculture/ Open land	No
1771	36.7	120	50	Stream	Forest	No
1773	36.8	100	50	Stream	Agriculture	No
1760	36.8	120	15	TSS	Agriculture	No
1786	36.8	201	15	TSS	Agriculture	No
1353	36.9	80	50	Stream	Agriculture	No
2075	37.0	100	50	Stream	Agriculture	No
1763	37.0	821	15	TSS	Agriculture	No
1779	37.1	100	50	Stream	Forest	No
1783	37.2	100	50	Stream	Forest	No
208	37.2	100	50	Wetland/ Stream	Forest	No
209	37.4	100	50	Wetland/ Stream	Forest	No
1753	37.5	1178	15	TSS	Agriculture	No
210	37.8	100	50	Road crossing	Agriculture/ Industrial	No
211	37.8	100	50	Road crossing	Agriculture/ Industrial	No
1780	37.8	532	15	TSS	Agriculture	No
212	38.0	100	50	Stream	Agriculture/ Forest	No
213	38.0	302	50	Stream	Agriculture/ Forest	No
215	38.1	100	50	Stream	Forest	No
218	38.4	123	50	Road crossing/ Stream	Forest	No
219	38.4	414	25	Side slope	Forest	No
220	38.7	197	50	Stream	Forest	No
1787	39.0	256	15	TSS	Agriculture/ Forest	No
1744	39.0	144	50	Staging area	Agriculture	No
221	39.1	100	50	Stream	Forest	No
222	39.1	100	50	Stream	Forest	No
223	39.2	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
224	39.3	100	50	Stream	Forest	No
225	39.3	191	50	Stream/ Wetland	Forest	No
226	39.5	260	50	Road crossing/ Stream	Agriculture/ Industrial	No
227	39.6	100	50	Road crossing	Agriculture/ Industrial	No
1784	39.6	310	15	TSS	Agriculture	No
228	39.7	100	50	Stream	Forest	No
229	39.7	100	50	Stream	Forest	No
230	39.9	100	50	Stream	Forest	No
231	40.0	340	50	Stream	Agriculture/ Open land	No
234	40.1	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
235	40.2	100	50	Road crossing	Agriculture/ Industrial/ Open land	No
1758	40.2	348	15	TSS	Agriculture/ Forest/ Open land	No
236	40.2	100	50	Stream	Forest	No
237	40.3	100	50	Stream	Forest	No
238	40.4	100	50	Stream	Forest	No
239	40.4	55	50	Stream	Forest	No
240	40.5	100	50	Stream	Forest	No
241	40.6	100	50	Stream	Forest	No
242	40.7	100	50	Stream	Forest	No
243	40.9	100	50	Stream	Forest	No
244	41.0	57	50	Stream	Forest	No
245	41.0	100	50	Stream	Forest	No
1754	41.1	284	15	TSS	Agriculture/ Forest	No
246	41.1	100	50	Road crossing	Agriculture/ Industrial	No
247	41.2	61	50	Road crossing	Industrial/ Open land	No
1785	41.2	746	15	TSS	Agriculture/ Forest	No
248	41.4	328	25	Side slope	Forest	No
249	41.4	100	50	Stream	Forest	No
250	41.5	100	50	Stream	Forest	No
251	41.7	100	50	Stream	Forest	No
252	41.7	100	50	Stream	Forest	No
253	41.9	100	50	Road crossing	Industrial/ Forest	No
254	42.0	100	50	Road crossing	Industrial/ Forest/ Open land	No
255	42.0	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
256	42.0	100	50	Stream	Agriculture/ Forest	No
1344	42.1	1232	15	TSS	Agriculture	No
258	42.3	100	50	Road crossing	Agriculture/ Industrial	No
259	42.3	100	50	Road crossing	Agriculture/ Industrial	No
1757	42.3	867	15	TSS	Agriculture	No
1346	42.6	599	15	TSS	Agriculture/ Forest	No
1347	42.7	710	15	TSS	Agriculture	No
262	42.8	100	50	Road crossing	Agriculture/ Industrial / Wetland (PEM)	Yes
263	42.8	100	50	Road crossing	Agriculture/ Industrial	Yes
1348	42.9	688	15	TSS	Agriculture	No
1349	43.1	987	15	TSS	Agriculture	No
268	43.4	100	50	Road crossing	Agriculture/ Forest	No
1350	43.4	210	15	TSS	Agriculture/ Forest	No
271	43.6	100	50	Stream	Forest	No
272	43.6	100	50	Stream	Forest	No
1802	43.7	126	30	Stream	Forest	No
274	43.7	100	50	Stream	Forest	No
1761	43.7	347	15	TSS	Agriculture/ Forest	No
275	43.8	100	50	Stream	Forest	No
276	43.9	100	50	Stream	Forest	No
1352	43.9	386	15	TSS	Agriculture/ Forest	No
277	44.0	100	50	Stream	Agriculture/ Forest	No
278	44.0	100	50	Stream	Agriculture/ Forest	No
1774	44.2	537	15	TSS	Agriculture	No
281	44.3	100	50	Road crossing	Agriculture/ Industrial	No
282	44.3	100	50	Road crossing	Agriculture/ Industrial	No
1762	44.3	166	15	TSS	Agriculture	No
1355	44.4	602	15	TSS	Agriculture	No
1356	44.6	267	15	TSS	Agriculture	No
288	44.7	100	50	Stream	Forest	No
289	44.7	100	50	Stream	Forest	No
1752	44.7	942	15	TSS	Agriculture/ Forest/ Open	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1797	45.0	340	15	TSS	land Agriculture	No
291	45.1	133	50	Road crossing/ Stream	Agriculture	No
293	45.3	827	15	TSS	Agriculture	No
294	45.4	100	50	Road crossing	Agriculture/ Industrial	No
295	45.4	100	50	Road crossing	Agriculture/ Industrial	No
296	45.5	1145	15	TSS	Agriculture	No
297	45.7	100	50	Road crossing	Agriculture/ Industrial	No
298	45.7	100	50	Road crossing/ Stream	Agriculture	No
299	45.8	366	25	Side slope	Agriculture	No
1358	45.8	546	15	TSS	Agriculture/ Forest	No
1359	46.1	98	50	Wetland	Forest/ Open land	No
1360	46.2	100	50	Wetland	Open land	No
1361	46.3	273	15	TSS	Agriculture	No
1362	46.4	100	50	Wetland	Agriculture/ Open land	No
1364	46.5	159	50	Stream	Open land	No
1743	46.6	100	50	Stream	Agriculture	No
1365	46.6	441	15	TSS	Agriculture	No
1795	47.0	177	15	TSS	Agriculture	No
320	47.8	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
1890	47.8	100	50	Road crossing	Industrial/ Forest	No
322	48.4	100	50	Stream	Forest	No
323	48.4	100	50	Stream	Forest	No
324	48.8	100	50	Road crossing	Industrial/ Forest	No
325	48.8	244	50	Road crossing/ Stream	Agriculture/ Industrial	No
1366	48.9	88	15	TSS	Agriculture/ Forest	No
328	49.0	617	25	Side slope	Forest	No
330	49.3	100	50	Road crossing	Agriculture/ Industrial	No
1367	49.3	175	15	TSS	Agriculture	No
331	49.4	100	50	Stream	Open land	No
332	49.5	100	50	Stream	Forest/ Open land	No
1368	49.7	241	15	TSS	Agriculture	No
333	49.7	118	50	Road crossing	Agriculture/ Forest	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
334	49.8	50	50	Road crossing/ Stream	Industrial/ Forest	No
335	49.8	100	50	Stream	Forest	No
336	50.0	100	50	Stream	Forest	No
337	50.0	100	50	Stream	Agriculture/ Forest	No
1369	50.1	119	15	TSS	Agriculture	No
1370	50.1	324	15	TSS	Agriculture	No
338	50.3	100	50	Stream	Forest	No
339	50.4	100	50	Stream	Forest	No
2160	50.6	151	50	Induction bend/ Side slope	Open land/ Forest	No
2163	50.8, RR-6	146	Variable	Staging area/ Parking	Agriculture/ Industrial/ Open land	Yes
342	50.9, RR-6	Variable	Variable	Road crossing	Agriculture/ Industrial/ Forest	Yes
343	50.9, RR-6	100	50	Road crossing	Agriculture/ Industrial/ Open land	No
2164	50.9, RR-6	195	50	Stream	Forest	No
2165	51.0, RR-6	150	50	Pipeline crossing	Forest	No
2166	51.1	100	50	Pipeline crossing	Forest	No
1371	51.1	100	50	Stream	Forest	No
1372	51.2	100	50	Stream	Forest	No
345	51.2	238	25	Side slope	Forest	No
346	51.3	100	50	Stream	Forest	No
347	51.3	100	50	Stream	Agriculture	No
1373	51.4	516	15	TSS	Agriculture	No
348	51.5	100	30	Road crossing	Agriculture/ Industrial	No
1374	51.5	100	50	Road crossing	Industrial/ Forest	No
1375	51.6	249	15	TSS	Agriculture/ Forest/ Open land	No
350	51.7	100	50	Stream	Forest	No
1935	52.2	100	50	Wetland	Forest	No
1936	52.3	100	50	Stream	Agriculture	No
1376	52.4	501	15	TSS	Agriculture/ Forest	No
354	52.5	100	50	Road crossing	Agriculture/ Forest	No
355	52.5	100	50	Road crossing	Agriculture/ Industrial	No
356	52.6	1094	25	Side slope	Forest	No
1803	52.8	450	25	Side slope	Forest/ Open land	No
1378	52.9	100	50	Pipeline crossing	Forest/ Open	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1379	52.9	305	25	Side slope	land Forest	No
1380	52.9	100	50	Stream	Forest	No
1788	53.0	996	25	Side slope	Forest	No
357	53.2	100	50	Wetland	Forest	No
1381	53.3	100	50	Stream	Forest	No
359	53.4	281	25	Side slope	Forest	No
1937	53.4	100	50	Stream	Forest	No
360	53.5	225	50	Road crossing/ Stream	Forest/ Open land	No
361	53.6	100	50	Road crossing	Industrial/ Forest/ Open land	No
362	53.6	439	25	Side slope	Forest	No
1955	53.7	100	50	Stream/ Wetland	Forest	No
1956	53.7	100	50	Stream/ Wetland	Forest	No
1957	53.7	577	25	Side slope	Forest	No
1958	53.8	100	50	Stream	Forest	No
1959	53.9	100	50	Stream	Forest/ Open land	No
1960	53.9	795	25	Side slope	Forest/ Open land	No
363	54.0	100	50	Road crossing/ Stream	Forest	No
364	54.1	100	50	Road crossing	Agriculture/ Industrial	Yes
2100	54.6, RR-7	100	50	Stream	Forest	No
2101	54.7, RR-7	74	15	TSS	Open land	No
2102	54.7, RR-7	100	50	Stream	Open land	No
2103	54.7, RR-7	96	15	TSS	Open land	No
2104	54.8, RR-7	100	50	Stream	Open land	No
2105	54.8, RR-7	100	50	Stream	Open land	No
2106	54.8, RR-7	1,447	15	TSS	Open land/ Forest	Yes
2107	55.2, RR-7	150	50	Road crossing	Forest	No
2108	55.2, RR-7	150	50	Road crossing	Open land/ Industrial	No
2109	55.3, RR-7	552	15	TSS	Open land/ Forest	No
2110	55.4, RR-7	125	50	Road crossing/ Stream	Forest/ Open land	No
2111	55.5, RR-7	274	50	Road crossing	Open land/ Forest/ Industrial	No
2112	55.5, RR-7	1,195	15	TSS	Agriculture	No
1801	55.9, RR-7	274	15	TSS	Agriculture	No
2113	55.8	125	50	Stream	Agriculture	No
1386	55.8	323	15	TSS	Agriculture	No
1387	55.9	223	15	TSS	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
369	56.1	100	50	Road crossing	Industrial/ Open land	Yes
1388	56.1	100	50	Road crossing/ Stream	Agriculture	No
371	56.4	100	50	Road crossing/ Stream	Industrial/ Forest/ Open land	No
372	56.4	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
1389	56.5	100	50	Stream	Agriculture	No
1390	56.6	100	50	Stream	Agriculture	No
1391	56.7	636	15	TSS	Agriculture	No
1392	56.8	1,635	15	TSS	Agriculture	No
1393	57.7	100	50	Stream	Agriculture	No
1394	57.8	100	50	Stream	Forest	No
1395	57.8	100	50	Stream	Forest	No
1396	57.9	100	50	Stream	Forest	No
375	58.0	100	50	Road crossing	Forest	No
1397	58.1	100	50	Stream	Forest	No
1940	58.3	100	50	Staging area/ Parking	Forest	No
2076	58.8	100	50	Stream	Forest	No
2077	58.8	100	50	Stream	Forest	No
2078	59.1	100	50	Stream	Open land	No
2079	59.2	125	50	Stream	Forest/ Open land	No
2080	59.2	100	50	Stream	Agriculture/ Forest	No
1403	59.2	147	15	TSS	Agriculture	No
1404	59.3	334	15	TSS	Agriculture/ Forest	No
377	59.7	52	50	Road crossing/ Stream	Industrial/ Open land	No
378	59.7	100	50	Road crossing	Agriculture/ Industrial	No
379	60.3	100	50	Stream	Forest	No
381	60.4	100	50	Stream	Forest	No
382	60.4	100	50	Stream	Forest	No
383	60.7	79	50	Road crossing	Industrial/ Forest	No
384	60.7	100	50	Road crossing	Industrial/ Forest	No
385	60.9	1,051	25	Side slope	Forest	No
1405	61.5	240	15	TSS	Agriculture/ Forest	No
1406	61.7	587	15	TSS	Agriculture	No
1407	61.8	100	50	Wetland	Agriculture	No
390	61.9	100	50	Road crossing/ Stream	Agriculture/ Industrial	Yes
391	62.0	100	50	Stream	Agriculture/	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1167	62.0	715	15	TSS	Forest Agriculture/ Forest	No
1408	62.2	279	15	TSS	Agriculture	No
394	62.5	100	50	Stream	Forest	No
395	62.5	100	50	Stream	Forest	No
1168	62.8	444	15	TSS	Agriculture	No
1169	62.9	340	15	TSS	Agriculture/ Industrial	No
396	62.9	66	50	Road crossing	Agriculture/ Industrial	No
397	63.0	100	50	Road crossing	Agriculture/ Industrial	No
1170	63.0	1,023	15	TSS	Agriculture	No
1171	63.2	100	50	Pipeline crossing	Agriculture	No
398	63.3	100	50	Stream	Forest/ Open land	No
399	63.4	100	50	Stream	Agriculture/ Open land	No
1791	63.4	396	15	TSS	Agriculture	No
1789	63.8	100	50	Stream	Forest	No
1790	63.9	100	50	Stream	Agriculture	No
1172	64.0	879	15	TSS	Agriculture/ Forest	No
400	64.2	100	50	Road crossing	Forest	No
401	64.3	100	50	Road crossing	Agriculture/ Industrial	No
1173	64.3	455	15	TSS	Agriculture	No
2081	64.4	100	50	Stream	Agriculture	No
2082	64.4	100	50	Stream	Agriculture	No
2083	64.4	93	15	TSS	Agriculture	No
402	64.6	100	50	Road crossing	Industrial/ Forest	No
403	64.6	250	50	Road crossing/ Stream	Agriculture/ Industrial	No
1412	64.8	100	50	Stream	Forest	No
1413	64.8	100	50	Stream	Forest	No
1414	65.0	513	15	TSS	Agriculture/ Forest	No
404	65.1	100	50	Stream	Forest	No
1796	65.4	615	15	TSS	Agriculture/ Forest	No
408	65.5	100	50	Stream	Agriculture	No
409	65.6	85	50	Stream	Forest	No
410	65.6	178	15	TSS	Agriculture	No
411	65.6	100	50	Stream	Agriculture	No
414	65.7	100	50	Stream	Forest	No
417	65.9	1606	15	TSS	Agriculture/	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
2061	66.3	759	15	TSS	Forest/ Open land	No
2060	66.5	100	50	Stream	Open land	No
2062	66.5	143	15	TSS	Agriculture	No
1416	66.7	608	15	TSS	Agriculture/ Forest	No
421	66.8	100	50	Road crossing	Forest	No
422	66.9	319	100	HDD/ Road crossing	Agriculture/ Wetland (PEM)	Yes
1417	66.9	20	20	Water Uptake	Agriculture/ Open land	Yes
423	67.3	100	200	HDD/ Road crossing	Agriculture/ Forest	Yes
1419	67.3	409	15	TSS	Agriculture/ Forest	No
424	67.4	100	50	Stream	Open land	No
428	67.7	230	50	Stream	Forest/ Open land	No
430	67.9	100	50	Stream	Open land	No
1420	68.0	548	15	TSS	Agriculture/ Forest	No
431	68.1	100	50	Road crossing	Agriculture/ Industrial	No
432	68.1	188	50	Road crossing/ Stream	Agriculture/ Industrial/ Forest/ Open land	No
434	68.3	147	50	Stream	Forest/ Open land	No
435	68.4	100	50	Stream	Forest	No
438	68.6	190	50	Stream	Forest/ Open land	No
1421	68.9	178	15	TSS	Open land	No
1422	68.9	64	50	Stream	Forest	No
1423	68.9	63	50	Stream	Forest	No
1424	69.0	100	50	Stream	Forest	No
442	69.2	100	50	Stream	Open land	No
443	69.3	82	50	Stream/ Road crossing	Agriculture	No
1876	69.3	141	100	Staging area	Agriculture	No
445	69.4	100	50	Road crossing	Open land	No
1875	69.4	150	100	Staging area	Agriculture/ Open land	No
1425	69.5	697	15	TSS	Agriculture	No
1426	69.6	100	50	Stream	Forest	No
1427	69.7	100	50	Stream	Forest	No
1428	69.7	100	50	Stream	Agriculture/ Forest	No

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APPENDIX N Extra Workspace Associated with the Leach XPress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1429	69.8	100	50	Stream	Agriculture	No
1430	69.8	472	15	TSS	Agriculture	No
448	69.9	100	100	Road crossing/ Parking	Agriculture/ Industrial	No
449	69.9	100	50	Road crossing	Agriculture/ Industrial	No
1431	70.0	548	15	TSS	Agriculture	No
1432	70.1	100	50	Stream	Agriculture/ Forest	No
1433	70.1	100	50	Stream	Agriculture	No
1434	70.1	106	15	TSS	Agriculture	No
1435	70.2	100	50	Stream	Agriculture	No
1436	70.2	100	50	Stream	Agriculture	No
1437	70.2	522	15	TSS	Agriculture	No
1438	70.3	100	50	Stream	Agriculture	No
1439	70.4	100	50	Stream	Forest	No
1440	70.4	100	50	Stream	Forest	No
1441	70.6	100	50	Stream	Agriculture/ Open land	No
1442	70.6	100	50	Stream	Agriculture/ Forest	No
1443	70.7	100	50	Stream	Agriculture	No
451	70.9	100	50	Road crossing	Agriculture	No
1444	70.9	395	15	TSS	Agriculture	No
452	71.0	100	50	Road crossing	Industrial/ Open land	No
453	71.0	100	50	Road crossing	Industrial/ Open land	No
454	71.1	100	50	Wetland	Open land	No
455	71.2	100	50	Wetland	Open land	No
457	71.2	100	50	Stream	Open land	No
458	71.3	100	50	Stream	Forest/ Open land	No
460	71.6	151	50	Road crossing	Industrial/ Open land	No
461	71.7	100	50	Road crossing	Industrial/ Open land	No
1446	71.7	1120	15	TSS	Open land	No
462	72.1	100	50	Road crossing	Industrial/ Open land	No
463	72.1	100	50	Road crossing	Industrial/ Forest	No
464	72.3	100	50	Stream/ Wetland	Open land	No
466	72.6	100	50	Road crossing	Industrial/ Forest/ Open land	No
467	72.6	100	50	Road crossing	Industrial/ Forest	No
468	73.3	100	50	Stream	Forest/ Open land	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
471	73.4	298	50	Stream	Forest/ Open land	No
473	73.5	385	50	Road crossing	Industrial/ Forest/ Open land	No
474	73.6	100	50	Road crossing	Industrial/ Forest	No
479	74.4	100	50	Stream	Forest	No
480	74.5	100	50	Stream	Forest	No
481	74.6	100	50	Stream	Industrial/ Open land	No
485	74.9	100	50	Stream	Forest	No
486	74.9	100	50	Stream	Forest	No
487	75.1	100	50	Road crossing	Industrial/ Forest/ Open land	No
488	75.1	209	50	Road crossing/ Stream	Industrial/ Forest	No
489	75.1	100	50	Road crossing/ Stream	Forest/ Open land	No
490	75.3	100	50	Stream	Forest	No
491	75.4	100	50	Stream	Forest/ Open land	No
1447	75.8	100	50	Stream	Open land	No
503	76.9	250	50	Stream	Forest/ Open land	No
504	77.0	100	50	Stream	Forest/ Open land	No
505	77.2	100	50	Stream	Forest	No
507	77.3	100	50	Stream	Forest	No
508	77.3	100	50	Road crossing	Industrial/ Forest	Yes
511	77.5	100	50	Stream	Forest	No
512	77.7	100	50	Wetland	Open land	No
513	77.8	88	50	Road crossing	Industrial/ Open land	No
514	77.8	100	50	Wetland	Open land	No
516	78.1	100	50	Stream	Forest/ Open land	No
517	78.2	100	50	Stream	Forest	No
518	78.3	119	50	Stream/ Wetland	Forest/ Open land	No
519	78.3	167	50	Road crossing	Industrial/ Open land	No
520	78.4	100	50	Road crossing	Open land	No
521	78.5	100	50	Stream	Forest	No
522	78.5	100	50	Stream	Forest	No
523	78.8	100	50	Stream	Forest	No
524	78.9	98	50	Stream	Forest	No
525	78.9	1,609	25	Side slope	Agriculture/ Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
526	79.2	100	50	Stream	Agriculture	No
527	79.4	125	50	Stream	Agriculture	No
530	79.7	92	50	Road crossing	Forest/ Open land	No
531	79.7	100	50	Road crossing	Industrial/ Forest	No
532	80.0	100	50	Stream	Forest/ Open land	No
533	80.0	100	50	Stream	Forest/ Open land	No
534	80.2	100	50	Stream	Open land	No
535	80.3	44	50	Road crossing	Industrial/ Forest/ Open land	No
536	80.3	100	50	Road crossing	Industrial/ Forest/ Open land	No
538	80.4	100	50	Stream	Forest/ Open land	No
1448	80.5	206	15	TSS	Agriculture/ Forest	No
540	80.6	100	50	Stream	Agriculture/ Forest	No
1449	80.7	162	15	TSS	Agriculture	No
541	80.7	100	50	Stream	Agriculture/ Forest	No
542	80.8	100	50	Stream	Agriculture	No
545	81.0	100	50	Stream	Forest	No
546	81.1	224	50	Road crossing/ Stream	Industrial/ Forest	No
547	81.1	100	50	Road crossing	Industrial/ Forest	No
1941	81.2	100	50	Stream	Forest/ Open land	No
2057	81.2	100	50	Stream	Forest	No
1450	81.3	598	15	TSS	Agriculture/ Forest	No
548	81.6	100	50	Stream	Forest	No
550	81.6	100	50	Road crossing	Industrial/ Forest	No
551	81.7	626	15	TSS	Agriculture	No
552	81.8	100	50	Road crossing	Agriculture/ Industrial	No
553	81.8	100	50	Road crossing	Agriculture/ Industrial	No
554	81.8	514	15	TSS	Agriculture/ Forest	No
555	81.9	100	50	Road crossing	Industrial/ Forest	No
557	82.0	207	15	TSS	Agriculture	No
558	82.1	300	50	Stream	Agriculture/ Forest	No
559	82.2	100	50	Stream	Forest	No
560	82.3	452	15	TSS	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1963	82.4	100	50	Wetland	Forest/ Open land/ Agriculture	No
1964	82.5	100	50	Wetland	Open land/ Agriculture	No
1451	82.5	261	15	TSS	Agriculture	No
1452	82.6	100	50	Pipeline crossing	Open land	No
1453	82.6	100	50	Pipeline crossing	Open land	No
562	82.8	62	50	Stream	Open land	No
563	82.8	90	50	Stream	Agriculture/ Forest	No
1454	82.8	162	15	TSS	Agriculture/ Residential	No
2072	83.2	51	50	Road Crossing	Forest	No
566	83.2	15	50	Road crossing	Industrial/ Forest	No
567	83.2	100	50	Road crossing	Industrial/ Forest/ Open land	No
569	83.5	100	50	Stream	Agriculture/ Forest	No
570	83.5	100	50	Stream	Agriculture	No
571	83.6	100	50	Stream	Agriculture	No
572	83.6	100	50	Stream	Agriculture/ Forest	No
575	84.0	100	50	Stream	Forest	No
1455	84.1	211	15	TSS	Agriculture/ Forest/ Open land	No
578	84.2	100	50	Road crossing	Industrial/ Forest/ Open land	No
579	84.2	100	50	Road crossing	Agriculture/ Industrial	No
1456	84.6	100	50	Stream	Agriculture	No
1457	84.6	100	50	Stream	Agriculture	No
1458	84.9	100	50	Stream	Agriculture	No
1459	85.0	139	50	Stream	Forest	No
1460	85.1	100	50	Stream	Forest	No
1461	85.3	100	50	Staging area/ Parking	Open land	No
1462	85.3	100	50	Wetland	Open land	No
1963	85.5	100	50	Stream	Open land/ Forest	No
1964	85.5	100	50	Stream	Open land	No
586	85.6	100	50	Road crossing	Forest/ Open land	No
587	85.7	130	50	Road crossing	Agriculture/ Industrial	No
1463	85.7	306	15	TSS	Agriculture	No
588	85.7	100	Varies	Road crossing	Agriculture	No
589	85.8	100	Varies	Road crossing	Agriculture/	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
590	85.8	171	15	TSS	Industrial Agriculture	No
1464	85.8	344	15	TSS	Agriculture	No
1465	85.9	100	50	Stream	Agriculture/ Forest/ Open land	No
591	86.1	91	15	TSS	Agriculture/ Open land	No
1466	86.1	100	50	Stream	Agriculture	No
1467	86.2	100	50	Stream	Agriculture	No
1878	86.4	100	50	Staging area/ Parking	Agriculture	No
1468	86.5	100	50	Stream	Open land	No
1469	86.6	100	50	Stream	Open land	No
593	86.9	100	50	Stream	Forest/ Open land	No
594	86.9	100	50	Stream	Forest/ Open land	No
1965	87.1	100	50	Wetland	Agriculture	No
1966	87.2	100	50	Wetland	Forest/ Open land	No
1470	87.5	100	50	Stream	Forest	No
600	87.5	100	50	Stream	Forest	No
1471	87.9	100	50	Stream	Forest	No
1472	87.9	100	50	Stream	Forest/ Open land	No
603	88.3	100	50	Stream	Forest/ Open land	No
604	88.3	100	50	Stream	Forest/ Open land	No
605	88.4	100	50	Stream	Forest	No
608	88.5	100	50	Pipeline crossing	Forest	No
609	88.6	100	50	Stream	Forest	No
610	88.6	100	50	Stream	Forest	No
1473	88.8	95	15	TSS	Agriculture	No
1474	88.8	83	15	TSS	Agriculture	No
614	88.9	100	50	Wetland	Agriculture	No
1475	88.9	218	15	TSS	Agriculture	No
615	88.9	100	50	Road crossing	Agriculture/ Industrial	No
616	88.9	100	50	Road crossing	Agriculture/ Industrial/ Forest/ Open land	No
1476	89.2	418	50	HDD	Forest	No
619	89.2	200	100	HDD	Forest	No
620	89.7	200	100	HDD	Agriculture	No
1479	89.8	536	15	TSS	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
681	89.8	1831	50	HDD	Agriculture/ Forest/ Wetland (PFO)	Yes
1480	89.9	333	15	TSS	Agriculture	No
1481	90.0	100	50	Stream	Agriculture	No
1482	90.3	100	50	Stream	Forest	No
1483	90.3	100	50	Stream	Forest	No
1484	90.4	100	50	Stream	Forest	No
621	90.7	100	50	Road crossing	Industrial/ Open land	No
622	90.8	113	50	Road crossing	Industrial/ Open land	No
623	91.1	100	50	Road crossing	Open land	No
624	91.1	100	50	Road crossing	Agriculture/ Industrial	No
1485	91.1	83	15	TSS	Agriculture	No
1967	91.1	100	50	Wetland	Agriculture	No
1968	91.2	100	50	Wetland	Agriculture	No
1486	91.2	657	15	TSS	Agriculture/ Forest	No
1969	91.3	100	50	Wetland	Agriculture/ Forest	No
1487	91.4	105	50	Stream	Open land	No
1488	91.7	100	50	Stream	Forest	No
625	91.8	100	50	Road crossing	Agriculture/ Industrial/ Residential	No
626	91.8	100	50	Road crossing	Industrial/ Forest	No
1489	92.0	177	15	TSS	Agriculture	No
1490	92.1	385	15	TSS	Agriculture/ Forest	No
629	92.2	100	50	Stream	Agriculture/ Forest/ Open land	No
630	92.2	213	50	Stream/ Road crossing	Forest/ Open land	No
631	92.3	100	50	Stream	Forest	No
1491	92.4	1296	15	TSS	Agriculture/ Forest	No
632	92.7	100	50	Stream	Agriculture/ Forest	No
633	92.7	100	50	Stream	Agriculture/ Forest	No
1492	92.7	334	15	TSS	Agriculture/ Open land	No
1493	92.8	220	15	TSS	Agriculture/ Forest/ Open land	No
636	92.9	100	50	Road crossing	Agriculture	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
637	92.9	138	50	Road crossing/ Stream	Industrial/ Forest	No
638	93.0	181	50	Stream	Forest	No
639	93.1	100	50	Stream	Forest	No
1494	93.2	100	50	Stream	Forest	No
1495	93.3	100	50	Stream	Forest	No
1496	93.3	100	50	Stream	Forest	No
641	93.7	527	25	Side slope	Forest	No
1497	93.8	100	50	Stream	Forest/ Open land	No
1498	93.8	100	50	Stream	Forest/ Open land	No
642	93.9	597	25	Side slope	Forest/ Open land	No
1970	94.0	291	25	Side slope	Forest	No
1971	94.1	67	25	Side slope	Forest	No
1972	94.1	100	50	Stream	Forest	No
1973	94.2	100	50	Stream	Forest	No
1974	94.3	100	50	Stream	Forest	No
643	94.4	100	50	Road crossing	Forest	No
644	94.4	100	50	Road crossing	Agriculture	No
1068	94.4	548	15	TSS	Agriculture	No
1499	94.6	100	50	Stream	Forest	No
1500	94.6	100	50	Stream	Forest	No
1501	94.7	100	50	Stream	Forest	No
1502	94.7	100	50	Stream	Forest	No
1503	94.8	100	50	Stream	Forest	No
1504	94.9	100	50	Stream	Forest	No
1505	94.9	100	50	Stream	Forest	No
1506	94.9	100	50	Stream	Forest	No
645	95.0	100	50	Stream/ Wetland	Forest	No
646	95.1	100	50	Stream/ Wetland	Forest	No
647	95.4	100	50	Stream	Forest	No
648	95.4	100	50	Stream	Forest	No
649	95.5	100	50	Stream	Forest	No
650	95.6	100	50	Stream	Forest	No
651	95.8	100	50	Stream	Forest	No
652	95.8	100	50	Stream	Forest	No
653	95.9	85	50	Stream	Forest	No
654	96.0	100	50	Stream	Forest	No
657	96.2	100	50	Stream	Forest	No
659	96.3	100	50	Stream	Forest	No
660	96.3	100	50	Stream	Agriculture/ Forest	No
661	96.4	218	15	TSS	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
662	96.4	225	50	Road crossing/ Stream	Agriculture/ Forest	No
663	96.5	100	50	Road crossing	Agriculture/ Industrial	No
1507	96.5	423	15	TSS	Agriculture	No
1508	96.7	100	50	Stream	Forest	No
1509	96.7	100	50	Stream	Forest	No
664	96.8	100	50	Stream	Forest	No
665	96.9	100	50	Stream	Agriculture/ Forest	No
666	96.9	79	30	Stream	Forest	No
667	97.0	100	50	Stream	Industrial/ Forest	No
1510	97.4	1354	15	TSS	Agriculture/ Forest	No
668	97.7	100	50	Road crossing	Agriculture/ Industrial	No
669	97.7	100	50	Road crossing	Agriculture/ Industrial	No
1511	97.7	519	15	TSS	Agriculture	No
670	97.8	100	50	Stream	Agriculture/ Forest	No
1879	97.9	100	50	Creek Crossing	Forest	No
1512	98.0	954	15	TSS	Agriculture/ Forest/ Open land	No
1880	98.2	325	15	TSS	Agriculture/ Forest	No
673	98.3	100	50	Stream	Forest	No
674	98.3	100	50	Stream	Agriculture/ forest/ Open land	No
1515	98.4	393	15	TSS	Agriculture	No
675	98.6	100	50	Stream	Forest	No
678	98.7	100	50	Stream	Forest	No
680	98.9	100	50	Wetland	Open land	No
1516	99.1	100	50	Wetland	Agriculture	No
1800	99.3	949	15	TSS	Agriculture	No
682	99.5	100	50	Road crossing	Agriculture/ Industrial	No
683	99.5	100	50	Road crossing	Agriculture/ Industrial/ Open land	No
1517	99.6	117	15	TSS	Agriculture	No
1518	99.6	113	15	TSS	Agriculture	No
1519	99.6	100	50	Stream	Agriculture/ Forest	No
1520	99.6	100	50	Stream	Agriculture/ Forest	No
1521	99.7	422	15	TSS	Agriculture	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
684	99.8	41	50	Road crossing	Industrial/ Forest	No
685	99.8	162	50	Road crossing	Industrial/ Forest	No
687	100.0	67	100	Road crossing/ Parking	Industrial/ Open land	No
1522	100.2	100	50	Stream	Forest	No
1523	100.4	309	15	TSS	Agriculture/ Forest	No
1524	100.5	1133	15	TSS	Agriculture/ Forest	No
1793	100.8	1005	15	TSS	Agriculture/ Forest	No
691	101.0	100	50	Road crossing/ Stream	Forest/ Open land	No
1525	101.1	139	15	TSS	Agriculture/ Forest	No
692	101.2	52	50	Stream	Forest/ Open land	No
693	101.2	100	50	Stream	Agriculture/ Forest	No
1526	101.2	711	15	TSS	Agriculture	No
694	101.4	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
695	101.4	100	50	Road crossing	Agriculture/ Industrial/ Forest/ Open land	No
1527	101.4	772	15	TSS	Agriculture	No
696	101.5	46	50	Road crossing	Open land	No
697	101.6	75	50	Road crossing	Industrial/ Open land	No
698	101.6	866	15	TSS	Agriculture	No
701	101.8	571	15	TSS	Agriculture	No
703	102.1	100	50	Stream	Forest	No
704	102.2	100	50	Stream	Forest	No
705	102.2	240	50	Stream	Agriculture	No
1528	102.3	189	15	TSS	Agriculture/ Forest	No
1529	102.7	100	50	Stream	Forest/ Open land	No
706	102.8	127	50	Road crossing	Forest	No
707	102.8	100	50	Road crossing	Agriculture/ Industrial	No
1794	102.8	558	15	TSS	Agriculture	No
1069	103.0	2542	15	TSS	Residential	No
1071	103.7	692	15	TSS	Agriculture/ Forest/ Open land	No
1975	104.0	100	50	Stream	Forest	No
1976	104.0	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
708	104.3	100	50	Road crossing	Agriculture	No
709	104.3	136	50	Road crossing/ Wetland	Agriculture/ Industrial/ Open land	No
1072	104.3	724	15	TSS	Agriculture	No
713	104.6	100	50	Stream	Agriculture/ Forest	No
1073	104.6	124	15	TSS	Agriculture	No
714	104.6	98	50	Stream	Agriculture/ Forest	No
715	104.7	89	50	Stream	Agriculture	No
1530	104.7	2,478	15	TSS	Agriculture/ Forest/ Open land	Yes
1076	105.2	206	15	TSS	Agriculture	No
718	105.3	100	50	Road crossing	Agriculture/ Industrial/ Open land	No
719	105.3	100	50	Road crossing	Industrial	No
1077	105.3	226	15	TSS	Agriculture	No
722	105.9	100	50	Stream	Forest	No
723	105.9	100	50	Stream	Forest	No
724	106.2	100	50	Stream	Forest	No
725	106.3	106	50	Stream	Forest	No
726	106.4	100	50	Road crossing	Industrial/ Forest/ Open land	No
727	106.4	100	50	Road crossing	Forest/ Open land	No
730	106.8	100	50	Road crossing	Industrial/ Forest	No
731	106.8	93	50	Road crossing/ Stream	Industrial/ Open land	No
735	107.2	100	50	Railroad Crossing	Forest	No
736	107.3	350	25	Side slope	Forest	No
738	107.4	100	50	Stream	Agriculture	No
739	107.4	839	15	TSS	Agriculture	No
1977	107.6	100	50	Stream	Agriculture/ Forest	No
1978	107.6	100	50	Stream	Agriculture	No
1531	107.6	370	15	TSS	Agriculture	No
740	107.7	100	50	Road crossing	Agriculture/ Industrial/ Forest	Yes
741	107.7	100	50	Road crossing	Agriculture/ Forest	Yes
1532	107.7	1,163	15	TSS	Agriculture/ Forest	Yes
1533	108.1	537	15	TSS	Agriculture	No
742	108.2	100	50	Road crossing	Agriculture/	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
743	108.2	280	50	Road crossing/ Stream	Industrial/ Forest Agriculture/ Industrial/ Forest	No
1534	108.4	100	50	Stream	Forest	No
1535	108.5	100	50	Stream	Forest	No
1536	108.5	1,876	15	TSS	Agriculture	No
1537	108.9	100	50	Road crossing	Agriculture/ Industrial	Yes
747	108.9	100	50	Road crossing	Industrial/ Open land/ Wetland (PEM)	Yes
1877	108.9	150	100	Staging area	Agriculture/ Industrial/ Forest	No
1538	109.0	163	15	TSS	Agriculture	No
1539	109.1	202	15	TSS	Agriculture	No
1540	109.2	499	15	TSS	Agriculture/ Forest	No
1541	109.3	1843	15	TSS	Agriculture/ Forest	No
750	109.8	100	50	Road crossing	Industrial/ Forest	No
751	109.8	100	50	Road crossing	Forest	No
1542	110.0	100	50	Stream	Forest	No
1543	110.1	100	50	Stream	Forest	No
752	110.2	100	50	Road crossing	Industrial/ Forest	No
1979	110.2	100	50	Wetland	Agriculture	No
1980	110.4	100	50	Wetland	Forest	No
1544	110.5	100	50	Wetland	Forest	No
754	110.5	119	50	Stream	Forest	No
755	110.6	125	50	Stream	Forest	No
756	110.7	100	50	Road crossing	Forest	No
757	110.7	214	50	Road crossing/ Stream	Industrial/ Forest	No
760	110.9	100	50	Stream	Forest	No
761	111.3	100	50	Road crossing	Industrial/ Forest	No
762	111.3	100	50	Road crossing	Forest	No
763	111.3	100	50	Stream	Forest	No
764	111.4	174	50	Stream	Forest	Yes
766	111.5	100	50	Wetland	Forest	No
767	111.6	302	50	Road crossing/ Wetland	Forest/ Open land	No
769	111.7	82	15	Road crossing	Forest	No
770	111.7	100	50	Stream	Forest	No
771	111.8	100	50	Stream	Forest/ Open land	No
772	112.3	132	50	Road crossing	Industrial/ Open land	Yes
773	112.3	100	50	Road crossing	Forest/ Wetland	Yes

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APPENDIX N Extra Workspace Associated with the Leach XPress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1545	112.5	100	50	Stream	(PEM) Forest	No
1546	112.6	100	50	Stream	Forest	No
1547	112.7	100	50	Stream	Forest/ Open land	No
1548	112.7	100	50	Stream	Forest	No
1549	112.8	1,798	15	TSS	Agriculture	No
1550	113.1	100	50	Stream	Agriculture	No
1551	113.1	100	50	Stream	Agriculture/ Forest	No
1552	113.2	235	15	TSS	Agriculture/ Open land	No
774	113.2	90	50	Road crossing	Industrial/ Open land	No
775	113.2	181	50	Road crossing/ Stream	Industrial/ Forest/ Open land	No
1553	113.3	1140	15	TSS	Agriculture/ Forest	No
778	113.5	100	50	Stream	Agriculture/ Open land	No
779	113.6	100	50	Stream	Agriculture	No
1554	113.6	497	15	TSS	Agriculture	No
1555	113.7	1063	15	TSS	Agriculture	No
1556	114.0	324	15	TSS	Agriculture/ Forest	No
781	114.1	100	50	Stream	Agriculture	No
782	114.3	100	50	Stream	Forest/ Open land	No
2065	114.7	341	15	TSS	Agriculture	No
784	114.8	100	50	Road crossing	Agriculture/ Industrial	No
785	114.8	100	50	Road crossing	Agriculture/ Industrial	No
1557	114.8	2469	15	TSS	Agriculture	No
787	115.3	100	50	Stream	Open land	No
789	115.4	86	50	Stream	Forest	No
790	115.5	100	50	Stream	Forest	No
1799	115.6	447	15	TSS	Agriculture	No
1558	115.7	138	15	TSS	Agriculture	No
793	115.7	100	50	Stream	Agriculture	No
1559	115.8	678	15	TSS	Agriculture	No
1560	115.9	795	15	TSS	Agriculture	No
794	116.1	100	50	Road crossing	Agriculture/ Industrial	No
795	116.1	100	50	Road crossing	Agriculture/ Industrial	No
1561	116.1	722	15	TSS	Agriculture/	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1562	116.3	138	15	TSS	Forest Agriculture/ Forest	No
1563	116.4	217	15	TSS	Agriculture	No
1564	116.4	368	15	TSS	Agriculture/ Forest	No
1565	116.6	661	15	TSS	Agriculture	No
1566	116.7	120	15	TSS	Agriculture	No
1567	116.7	453	15	TSS	Agriculture/ Forest	No
1568	117.0	100	50	Stream	Forest	No
796	117.0	845	25	Side slope	Forest	No
1569	117.2	100	50	Stream	Forest	No
797	117.3	130	50	Stream	Forest	No
798	117.3	100	50	Stream	Forest	No
799	117.3	100	50	Stream	Forest	No
800	117.5	100	50	Stream	Forest	No
1798	117.6	406	15	TSS	Agriculture/ Forest	No
1570	117.6	100	50	Stream	Agriculture/ Forest	No
1571	117.7	100	50	Stream	Forest	No
1572	117.8	605	15	TSS	Agriculture	No
801	117.9	100	50	Road crossing	Agriculture	No
802	118.0	100	50	Road crossing	Industrial/ Open land	No
1573	118.0	117	15	TSS	Agriculture	No
1574	118.0	199	15	TSS	Agriculture	No
1575	118.1	87	50	Stream	Agriculture/ Forest	No
1576	118.1	106	50	Stream	Open land	No
1981	118.3	100	50	Wetland	Forest	No
1577	118.3	100	50	Stream	Forest	No
1578	118.4	100	50	Stream	Forest	No
803	118.5	500	15	TSS	Agriculture/ Forest	No
805	118.7	100	50	Stream	Forest	No
806	118.8	100	50	Road crossing	Industrial/ Forest	Yes
807	118.9	100	50	Road crossing/ Stream	Agriculture/ Forest	No
908	119.3	150	50	Stream	Forest	No
810	119.3	100	50	Stream	Agriculture/ Forest	No
811	119.6	100	50	Stream	Agriculture	No
813	119.6	200	100	HDD	Forest	Yes
1579	120.0	20	20	Water Uptake	Open land	Yes

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
814	120.1	200	100	HDD	Agriculture	Yes
816	120.2	100	50	Road crossing	Forest	No
1580	120.3	968	15	TSS	Agriculture	No
1583	120.5	497	15	TSS	Agriculture	No
819	120.7	369	25	Side slope	Forest	No
820	120.8	100	50	Stream	Forest	No
821	120.8	100	50	Stream	Forest	No
1584	120.9	209	15	TSS	Agriculture	No
823	121.2	100	50	Stream	Forest	No
825	121.4	151	50	Stream/ Road crossing	Agriculture/ Industrial	No
826	121.4	100	50	Stream/ Wetland	Forest	No
827	121.5	100	50	Stream	Forest	No
828	121.6	100	50	Stream	Forest	No
829	122.1	100	50	Road crossing	Industrial/ Forest	No
830	122.1	100	50	Road crossing	Agriculture/ Industrial	No
1585	122.1	949	15	TSS	Agriculture	No
1586	122.3	534	15	TSS	Agriculture	No
1587	122.4	200	100	Stream	Agriculture	No
1176	122.4	100	50	Stream	Agriculture	No
1177	122.5	100	50	Stream	Agriculture	No
1588	122.5	200	100	Stream	Agriculture/ Forest	No
1589	122.5	901	15	TSS	Agriculture	No
1590	122.7	100	50	Stream	Agriculture	No
1591	122.7	100	50	Stream	Agriculture	No
1592	122.7	2155	15	TSS	Agriculture	No
833	123.1	100	50	Road crossing	Agriculture/ Open land	No
834	123.1	100	50	Road crossing	Agriculture/ Open land	No
1982	123.3	100	50	Wetland/ Stream	Agriculture	No
1593	123.6	100	50	Stream	Agriculture/ Forest	No
835	123.7	100	50	Road crossing	Agriculture/ Industrial	No
836	123.7	100	50	Road crossing	Agriculture/ Industrial	No
1594	123.7	71	15	TSS	Agriculture	No
1983	123.7	100	50	Stream	Agriculture	No
1984	123.8	100	50	Stream	Agriculture	No
1595	123.8	300	15	TSS	Agriculture/ Forest	No
1596	123.9	446	15	TSS	Agriculture	No
1597	124.1	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1598	124.2	100	50	Stream	Forest	No
1600	124.4	100	50	Wetland	Agriculture/ Residential	No
837	124.5	100	50	Road crossing/ Creek	Agriculture/ Industrial/ Open land	Yes
838	124.5	100	50	Road crossing	Industrial/ Open land	Yes
1986	124.6	100	50	Stream	Open land	No
1987	124.6	100	50	Stream	Forest	No
1601	124.8	100	50	Stream	Forest	No
1602	124.9	100	50	Stream	Forest	No
1603	125.1	100	50	Stream	Forest/ Open land	No
1604	125.3	100	50	Stream	Forest	No
1988	125.5	100	50	Stream	Forest	No
1989	125.6	100	50	Stream	Forest	No
839	125.6	100	50	Road crossing	Industrial/ Forest	No
840	125.6	75	50	Road crossing	Industrial/ Forest	No
1606	125.7	100	50	Stream	Forest	No
1607	126.0	100	50	Stream/ Road crossing	Forest	No
1608	126.2	100	50	Stream/ Road crossing	Forest	No
1609	126.4	100	50	Stream	Forest	No
1610	126.4	100	50	Stream	Forest	No
1611	126.5	100	50	Stream	Forest	No
1612	126.6	100	50	Stream	Forest	No
549	126.7	100	50	Pipeline crossing	Forest	No
841	127.0	100	50	Road crossing	Industrial/ Forest	No
842	127.1	100	50	Road crossing	Forest/ Open land	No
1613	127.2	100	50	Stream	Forest	No
1614	127.3	100	50	Stream	Forest	No
2011	127.5	98	50	Stream	Forest	No
2012	127.6	100	50	Stream	Forest	No
2013	127.7	100	50	Stream	Agriculture/ Forest	No
2014	127.8	119	15	TSS	Agriculture	No
2015	127.9	181	15	TSS	Agriculture	No
2016	127.9	153	15	TSS	Agriculture/ Residential	No
2017	128.0	100	75	Road crossing	Agriculture/ Industrial/ Residential	No
2019	128.1	100	50	Blasting	Agriculture/ Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
2020	128.7	892	25	Side slope	Forest	No
2021	128.8	100	50	Pipeline crossing	Forest/ Open land	No
2022	129.0	100	50	Stream	Forest	No
2023	129.0	100	50	Stream	Forest	No
2024	129.1	125	50	Road crossing	Industrial/ Forest	No
2025	129.2	125	50	Road crossing	Industrial/ Forest	No
2026	129.4	100	50	Staging area	Forest/ Open land	No
2027	129.5	100	50	Stream	Forest	No
2028	129.5	100	50	Stream	Forest	No
2029	129.7	787	15	TSS	Agriculture	No
2030	129.9	100	50	Road crossing	Agriculture	No
2031	129.9	100	50	Road crossing	Industrial/ Open land	Yes
2068	130.0	140	50	HDD	Industrial/ Open land	No
859	130.2	200	100	HDD	Open land/ Wetland (PSS)	Yes
2067	130.9	141	30	HDD	Open land/ Residential	No
860	130.9	383	69	HDD	Forest/ Open land/ Residential	No
LEX1						
2003	0.2	175	15	TSS	Agriculture/ Forest	No
2004	0.3	147	15	TSS	Agriculture	No
2001	0.4	100	50	Stream	Open land	No
2002	0.5	100	50	Stream	Forest/ Open land	No
2070	0.8	100	50	Stream	Forest	No
2071	0.9	105	50	Stream	Agriculture	No
2000	0.9	1479	15	TSS	Agriculture	No
R-801 Loop						
864	0.2	100	50	Road crossing	Industrial/ Forest	No
865	0.3	530	25	Blasting	Agriculture/ Forest	No
2005	0.6	100	50	Pipeline crossing	Forest	No
1632	0.6	100	50	Pipeline crossing	Forest	No
866	0.9	100	50	Road crossing/ Stream	Forest/ Open land	No
867	0.9	100	50	Road crossing/ Stream	Forest	No
868	1.1	666	15	TSS	Agriculture/ Forest/ Open land	No
869	1.2	100	50	Road crossing	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
870	1.2	100	50	Road crossing	Agriculture	No
871	1.2	514	15	TSS	Agriculture	No
1633	1.3	100	50	Stream	Agriculture	No
872	1.3	173	50	Road crossing/ Stream	Agriculture/ Industrial	No
873	1.4	100	50	Road crossing	Agriculture/ Industrial	No
874	1.4	792	15	TSS	Agriculture	No
875	1.5	100	50	Road crossing	Agriculture/ Industrial	No
876	1.6	100	50	Road crossing	Agriculture/ Industrial	No
877	1.6	1332	15	TSS	Agriculture	No
878	1.8	1056	25	Side slope	Agriculture/ Forest	No
879	2.0	191	15	TSS	Agriculture	No
1634	2.1	100	50	Stream	Agriculture	No
880	2.2	141	50	Road crossing/ Stream	Industrial/ Residential	No
881	2.2	204	50	Road crossing/ Stream	Industrial/ Open land	No
1635	2.4	100	50	Stream	Forest/ Open land	No
1636	2.4	100	50	Stream	Forest/ Open land	No
1637	2.5	100	50	Stream	Forest	No
1638	2.6	100	50	Stream	Forest	No
1639	2.8	100	50	Stream	Forest	No
1640	2.9	100	50	Stream	Forest	No
1641	2.9	100	50	Stream	Forest	No
1642	3.0	100	50	Stream	Forest	No
1643	3.0	100	50	Stream	Forest	No
1644	3.1	100	50	Stream	Forest	No
1645	3.2	100	50	Stream	Forest	No
882	3.2	388	25	Side slope	Forest	No
883	3.4	100	50	Road crossing	Agriculture/ Industrial	No
884	3.4	109	50	Road crossing	Agriculture	Yes
1647	3.5	153	50	Stream	Agriculture/ Forest	No
1648	3.6	100	50	Stream	Forest	No
1649	3.8	100	50	Parking	Open land	No
1650	4.0	100	50	Stream	Forest/ Open land	No
1651	4.1	100	50	Stream	Forest	No
1652	4.2	219	15	TSS	Agriculture/ Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1653	4.2	100	50	Stream	Forest	No
1654	4.3	71	50	Stream	Forest	No
1655	4.4	100	50	Stream	Forest	No
1656	4.6	100	50	Stream	Forest	No
1657	4.6	100	50	Stream	Forest/ Open land	No
885	4.8	100	50	Road crossing	Forest	No
886	4.9	100	50	Road crossing	Forest	No
1658	4.9	100	50	Stream	Forest/ Residential	No
1659	5.0	100	50	Stream	Forest	No
887	5.1	100	50	Road crossing/ Stream	Forest/ Residential	No
888	5.2	100	50	Road crossing/ Stream	Forest/ Residential	No
1660	5.4	100	50	Stream	Forest	No
1661	5.5	100	50	Stream	Forest	No
1662	5.6	100	50	Stream	Forest	No
1663	5.7	100	50	Stream	Forest	No
1664	5.9	100	50	Stream	Forest	No
1665	6.0	100	50	Stream	Forest	No
1666	6.1	100	50	Stream	Forest	No
1667	6.1	100	50	Stream	Forest	No
1668	6.1	100	50	Stream	Forest	No
1669	6.2	100	50	Stream	Forest	No
1670	6.4	100	50	Stream	Open land	No
1671	6.6	100	50	Stream	Open land	No
1672	6.6	360	15	TSS	Agriculture	No
889	6.7	100	50	Road crossing	Agriculture/ Industrial	No
890	6.7	100	50	Road crossing	Industrial/ Forest/ Open land	Yes
1673	6.9	100	50	Stream	Forest	No
1674	6.9	100	50	Stream	Forest	No
891	7.0	100	50	Stream	Forest	No
892	7.1	100	50	Stream	Forest	No
2009	7.2	100	50	Stream	Forest	No
2010	7.2	100	50	Stream	Forest	No
893	7.3	100	50	Road crossing/ Stream	Forest	No
894	7.4	100	50	Road crossing/ Stream	Forest	No
895	7.6	100	50	Road crossing/ Stream	Forest/ Open land	No
896	7.7	100	50	Road crossing/ Stream	Open land	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1675	7.7	100	50	Stream	Forest	No
2032	7.8	100	50	Stream	Forest	No
2033	7.9	100	50	Stream	Forest	No
1676	8.0	100	50	Stream	Forest	No
1677	8.1	100	50	Stream	Forest	No
850	8.6	100	50	Pipeline crossing	Forest	No
1680	8.6	100	50	Stream	Forest	No
1681	8.7	209	50	Stream	Forest	No
1682	8.8	100	50	Stream	Forest	No
897	8.9	100	50	Road crossing	Industrial/ Open land	Yes
898	8.9	210	25	Road crossing	Industrial/ Residential	No
1683	9.0	242	50	Wetland/ Stream	Forest	No
1881	9.1	100	50	Stream	Forest	No
1938	9.2	100	50	Stream	Forest	No
1939	9.2	100	50	Stream	Forest	No
902	9.3	100	50	Stream	Forest	No
1870	9.4	100	50	Stream	Forest	No
903	9.6	100	50	Road crossing	Industrial/ Forest	No
904	9.6	100	50	Road crossing	Industrial/ Forest	No
1140	9.7	100	50	Pipeline crossing	Agriculture	No
906	9.9	100	50	Stream	Forest	No
907	9.9	100	50	Stream	Forest	No
1891	10.1	100	50	Stream	Open land	No
909	10.2	100	50	Stream	Open land	No
910	10.3	100	50	Road crossing	Industrial/ Open land	No
911	10.3	100	50	Road crossing	Agriculture/ Industrial	No
913	10.5	100	50	Stream	Forest	No
914	10.6	124	50	Stream	Forest	No
915	10.6	100	50	Stream	Forest/ Open land	No
916	10.6	449	25	Side slope	Agriculture/ Forest	No
917	11.1	100	50	Stream	Agriculture/ Forest	No
918	11.1	100	50	Stream	Forest	No
921	11.3	100	50	Stream	Forest	No
922	11.3	100	50	Stream	Forest	No
923	11.3	922	15	TSS	Agriculture/ Forest	No
2063	11.5	100	50	Pipeline crossing	Agriculture	No
2064	11.6	100	50	Pipeline crossing	Agriculture	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1684	11.6	221	15	TSS	Agriculture	No
924	11.6	100	50	Road crossing	Agriculture/ Industrial	No
925	11.7	100	50	Road crossing	Agriculture/ Industrial	No
1685	11.7	254	15	TSS	Agriculture	No
926	11.7	100	50	Stream	Agriculture	No
927	11.8	100	50	Stream	Forest	No
929	12.0	100	50	Stream	Agriculture/ Forest	No
930	12.1	100	50	Stream	Forest/ Open land	No
931	12.2	100	50	Stream	Forest	No
932	12.3	100	50	Stream	Forest	No
933	12.4	100	50	Stream	Forest	No
934	12.4	100	50	Stream	Forest	No
935	12.6	100	50	Stream	Forest	No
936	12.8	114	50	Stream	Forest	No
939	12.9	36	50	Road crossing	Industrial/ Forest	No
940	12.9	100	50	Road crossing	Industrial/ Forest	No
941	13.0	100	50	Stream	Forest	No
942	13.0	100	50	Stream	Forest	No
944	13.1	100	50	Stream	Forest	No
945	13.2	100	50	Stream	Forest	No
946	13.3	100	50	Stream	Forest	No
947	13.3	100	50	Stream	Forest	No
948	13.4	222	50	Stream	Forest	No
950	13.5	216	50	Stream	Forest	No
953	13.6	100	50	Stream	Forest	No
954	13.7	100	50	Road crossing	Forest	No
955	13.7	100	50	Road crossing	Forest	No
956	13.9	100	50	Stream	Forest	No
957	14.0	100	50	Stream	Forest	No
959	14.1	220	50	Stream	Forest	No
962	14.2	100	50	Road crossing/ Stream	Forest/ Open land	No
963	14.2	100	50	Road crossing	Forest	No
964	14.4	100	50	Stream	Forest	No
965	14.5	133	50	Stream	Forest	No
966	14.6	100	50	Stream	Forest	No
967	14.7	100	50	Stream	Forest	No
968	14.8	100	50	Stream	Forest	No
1686	15.0	100	50	Pipeline crossing	Forest	No
969	15.4	107	50	Stream	Forest	No
970	15.4	102	30	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
972	15.6	100	50	Stream	Industrial/ Forest	No
973	16.1	100	50	Stream	Forest	No
974	16.2	100	50	Stream	Forest/ Open land	No
1687	16.3	100	50	Stream	Open land	No
975	16.3	149	50	Road crossing	Industrial/ Open land	No
977	16.4	100	50	Stream	Forest	No
978	16.5	100	50	Stream	Forest	No
979	16.6	100	50	Stream	Forest	No
980	16.6	102	25	Side slope	Forest	No
1688	16.7	100	50	Stream	Forest	No
981	16.7	205	50	Stream	Forest	No
1689	16.8	100	50	Stream	Forest	No
982	16.9	114	25	Side slope	Forest	No
983	16.9	100	50	Wetland	Forest/ Open land	No
984	17.0	100	50	Stream	Forest/ Open land	No
985	17.5	100	50	Road crossing	Industrial/ Forest	No
986	17.6	100	50	Road crossing/ Stream	Forest	No
987	17.6	100	50	Stream	Forest	No
988	17.7	100	50	Stream	Forest	No
989	17.7	181	25	Side slope	Forest	No
990	18.0	100	50	Stream	Forest	No
991	18.0	100	50	Stream	Forest	No
992	18.2	364	25	Side slope	Forest	No
993	18.3	181	25	Side slope	Forest	No
994	18.4	100	50	Stream	Forest	No
995	18.5	263	50	Stream	Forest	No
997	18.6	100	50	Stream	Forest	No
1691	18.8	99	50	Stream	Forest	No
1692	18.9	100	50	Pipeline crossing	Forest	No
1693	19.0	235	20	Pipeline crossing	Forest	No
1694	19.1	73	50	Stream	Forest	No
1695	19.2	100	50	Stream	Forest	No
2034	19.2	100	50	Stream	Forest	No
2035	19.3	100	50	Stream	Forest	No
1697	19.7	100	50	Road crossing	Agriculture/ Industrial	No
1698	19.7	100	20	Road crossing	Agriculture/ Industrial	No
1700	20.0	100	50	Stream	Forest	No
1701	20.0	100	50	Stream	Forest	No

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ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
1702	20.2	100	50	Stream	Forest	No
1703	20.3	100	50	Stream	Forest	No
2036	20.3	100	50	Stream	Forest	No
2037	20.4	100	50	Stream	Forest	No
1704	20.4	100	50	Parking	Agriculture	No
1706	20.7	100	50	Stream	Forest/ Open land	No
2038	20.7	100	50	Stream	Forest	No
1708	20.9	100	50	Stream	Agriculture	No
1709	20.9	100	50	Stream	Agriculture/ Forest	No
1711	21.0	100	50	Stream	Open land	No
1712	21.1	100	50	Stream	Forest	No
1713	21.1	100	40	Parking	Forest/ Open land	No
1714	21.6	100	50	Road crossing	Agriculture	No
2039	21.6	100	50	Stream	Open land	No
2040	21.7	100	50	Stream	Open land	No
2041	21.8	95	50	Stream	Open land	No
2042	22.1	100	50	Stream	Forest	No
2043	22.2	100	50	Stream	Forest	No
1716	22.3	100	50	Stream	Forest	No
1717	22.3	100	50	Stream	Open land	No
1718	22.5	100	50	Parking	Open land	No
2044	22.6	100	50	Stream	Agriculture	No
2045	22.6	100	50	Stream	Forest/ Open land	No
1719	22.7	100	50	Road crossing	Industrial/ Forest/ Open land	No
1720	22.8	89	50	Road crossing	Forest	No
1721	22.8	100	50	Stream	Forest	No
2046	23.1	100	50	Stream	Agriculture	No
2047	23.1	100	50	Stream	Agriculture	No
1722	23.3	100	50	Road crossing	Agriculture/ Industrial/ Forest	No
1723	23.3	93	50	Road crossing/ Pipeline crossing	Industrial/ Forest/ Open land	No
1724	23.4	104	20	Pipeline crossing	Forest/ Open land	No
1725	23.5	100	50	Stream	Forest	No
1726	23.6	100	50	Stream	Forest	No
1727	23.7	100	50	Stream	Forest	No
2048	23.8	100	50	Stream	Forest	No
2049	23.8	100	50	Stream	Forest	No
2050	23.9	100	50	Stream	Forest	No

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APPENDIX N Extra Workspace Associated with the Leach Xpress Project						
ATWS ID	Milepost	Dimensions (feet)		Justification	Land Use	Deviation to the FERC Plan and Procedures ^a
		Length	Width			
2051	24.0	100	50	Stream	Forest	No
2052	24.0	100	50	Stream	Forest	No
2053	24.1	100	50	Stream	Forest	No
BM-111 Loop						
1050	1.0	250	100	HDD	Forest	Yes
1181	1.1	1387	65	Side slope	Industrial/ Forest/ Open land	Yes
1052	1.4	100	35	Road crossing/ Stream	Open land/ Residential	No
1730	1.4	1027	50	HDD	Forest/ Open land	Yes
1729	1.5	100	50	Stream	Forest/ Open land	No
1985	1.5	100	50	Stream	Forest	No
1054	1.7	100	50	Stream	Forest	No
1055	1.8	100	50	Stream	Forest	No
1731	2.2	100	50	Stream	Open land	No
1732	2.3	100	50	Stream	Forest	No
1056	2.4	100	50	Road crossing	Open land	No
1057	2.4	138	50	Road crossing	Industrial/ Open land	No
1058	2.4	100	50	Road crossing	Residential	No
1059	2.5	100	50	Stream	Residential	No
1060	2.5	100	50	Stream	Agriculture	No
1734	2.6	200	200	Stream	Agriculture/ Forest	No
1733	2.6	100	50	Stream	Agriculture/ Forest	No
459	2.6	43	50	Stream	Forest	No
1061	2.7	100	25	Stream	Forest/ Open land	No

TSS – topsoil segregation
HDD – horizontal directional drill

^a Site-specific deviations to the FERC Plan and Procedures are identified and further detailed in Appendix E.