

Table 3.0 Project Wetland Where Impacts Have Been Avoided

ORM Waters Name	App Wetland #	WOUS	Cowardin Code	HGM Code	Size of Area (acres)	Local Waterway	Latitude	Longitude	Primary Construction Method	Secondary Construction Method	Topeka Shiner Habitat
2096-4	PEM 210	WOUS	PEM	DEPRESS	0.74	Abutting Deer Creek	44.3878	-96.5367	Avoid	Avoid	Not Suitable Location
2096-40	PEM 45	WOUS	PEM	Riverine	1.28	Abutting tributary to Lake Hendricks	44.5305	-96.5113	Bore	Bore	Not Suitable Location
2096-44	PEM 62	WOUS	PEM	Riverine	0.251	Abutting trib to Oak Lake	44.5248	-96.5047	Bore	Bore	Not Suitable Location
2096-10	PFO 66	WOUS	PFO	Riverine	0.07	Trib to Oak Lake	44.5230	-96.5051	Bore	Bore	Not Suitable Location
2096-10	PEM 69	WOUS	PEM	Riverine	2.91	Trib to Oak Lake	44.5226	-96.5052	Bore	Bore	Not Suitable Location
2096-10	PUB 75	WOUS	PUB	Riverine	0.73	Trib to Oak Lake	44.5216	-96.5050	Bore	Bore	Not Suitable Location
2096-10	PEM 78	WOUS	PEM	Riverine	1.72	Trib to Oak Lake	44.5210	-96.5052	Bore	Bore	Not Suitable Location
2096-10	PEM 79	WOUS	PEM	Riverine	0.39	Trib to Oak Lake	44.5206	-96.5053	Bore – Utilize Existing Approach for Access	Bore	Not Suitable Location
2096-56	PEM 94	WOUS	PEM	Riverine	0.003	Isolated roadside swale	44.5084	-96.5052	Avoid	Avoid	Not Suitable Location
2096-8	PEM 133	WOUS	PEM	Riverine	1.43	Abutting trib to Deer Creek	44.4734	-96.4999	Bore	Bore	Not Suitable Location
2096-8	PEM 135	WOUS	PEM	Riverine	0.85	Abutting trib to Deer Creek	44.4728	-96.5002	Bore	Bore	Not Suitable Location
2096-18	PEM 147	WOUS	PEM	Riverine	0.13	Abutting trib to Lake Hendricks	44.4567	-96.5043	Bore	Bore	Not Suitable Location
2096-19	PEM 160	WOUS	PEM	Riverine	0.14	Abutting Deer Creek	44.4410	-96.5067	Bore, Avoid in Access Area.	Bore, Avoid in Access Area	Not Suitable Location
2096-19	PEM 164	WOUS	PEM	Riverine	1.88	Abutting Deer Creek	44.4372	-96.5055	Bore	Bore	Not Suitable Location
2096-5	PEM 225a	WOUS	PEM	Riverine	4.56	Abutting Deer Creek	44.3793	-96.5336	Avoid	Avoid	Not Suitable Location
2096-5	PEM 225b	WOUS	PEM	Riverine	12.21	Abutting Deer Creek	44.3779	-96.5326	Avoid	Avoid	Not Suitable Location
2096-5	PEM 226	WOUS	PEM	Riverine	0.11	Abutting Deer Creek	44.3777	-96.5364	Avoid	Avoid	Not Suitable Location
2096-5	PEM 229	WOUS	PEM	Riverine	1.58	Abutting Deer Creek	44.3770	-96.5319	Avoid	Avoid	Not Suitable Location
2096-51	RUB 231	WOUS	RUB	Riverine	1.01	Deer Creek	44.3877	-96.5198	Avoid	Avoid	Suitable Location
2096-3	PEM 194	WOUS	PEM	Riverine	0.16	Abutting tributary to Deer Creek	44.3925	-96.5360	Avoid	Avoid	Not Suitable location
2096-3	PEM 187	WOUS	PEM	Riverine	0.5	Abutting tributary to Deer Creek	44.3968	-96.5296	Avoid	Avoid	Not Suitable Location
2096-3	PEM 190	WOUS	PEM	Riverine	0.09	Abutting tributary to Deer Creek	44.3954	-96.5290	Avoid	Avoid	Not Suitable Location
2096-3	PEM 191	WOUS	PEM	Riverine	0.01	Abutting tributary to Deer Creek	44.3951	-96.5285	Avoid	Avoid	Not Suitable Location

Table 2.0 Wetlands That Will Be Impacted by the Project

ORM Waters Name	App Wetland #	WOUS	Cowardin Code	HGM Code	Area of Impact (acres)	Impact Type	Local Waterway	Latitude	Longitude	Primary Construction Method	Secondary Construction Method	Topeka Shiner Habitat
<b>Natural Gas Pipeline</b>												
2096-12	PEM 7	WOUS	PEM	Riverine	0.04	Temporary	Abutting tributary to Fish Lake	44.5655	-96.5205	Trench	Bore	Not Suitable Location
2096-30	PEM 12	WOUS	PEM	Riverine	0.01	Temporary	Abutting tributary to Lake Hendricks	44.5608	-96.5206	Trench	Bore	Not Suitable Location
2096-31	PEM 23	WOUS	PEM	Riverine	0.06	Temporary	Abutting tributary to Lake Hendricks	44.5477	-96.5207	Trench	Bore	Not Suitable Location
2096-27	PEM 98	WOUS	PEM	Riverine	0.44	Temporary	Abutting Oak Lake	44.5056	-96.5051	Trench	Bore	Not Suitable Location
20-96-27	PEM 100	WOUS	PEM	Riverine	0.06	Temporary	Abutting Oak Lake	44.5052	-96.5051	Trench	Bore	Not Suitable Location
2096-26	PEM 111	WOUS	PEM	Riverine	0.19	Temporary	Abutting tributary to Lake Hendricks	44.4887	-96.5052	Trench	Bore	Not Suitable Location
2096-25	PEM 112	WOUS	PEM	Riverine	0.02	Temporary	Abutting unnamed tributary to Lake Hendricks	44.4858	-96.5044	Bore	Trench	Not Suitable Location
2096-25	PEM 114	WOUS	PEM	Riverine	0.28	Temporary	Abutting unnamed tributary to Lake Hendricks	44.4853	-96.5036	Bore	Trench	Not Suitable Location
2096-25	PEM 119	WOUS	PEM	Riverine	0.90	Temporary	Abutting unnamed tributary to Lake Hendricks	44.4828	-96.5024	Trench	Bore	Not Suitable Location
2096-7	PEM 130	WOUS	PEM	Riverine	0.07	Temporary	Abutting Deer Creek	44.4777	-96.4997	Trench	Bore	Not Suitable Location
2096-19	PEM 153	WOUS	PEM	Riverine	0.08	Temporary	Abutting Deer Creek	44.4469	-96.5057	Trench	Trench	Not Suitable Location
2096-19	PEM 166	WOUS	PEM	Riverine	0.05	Temporary	Abutting Deer Creek	44.4341	-96.5061	Trench	Trench	Not Suitable Location
2096-19	PEM 173	WOUS	PEM	Riverine	0.34	Temporary	Abutting Deer Creek	44.4307	-96.5068	Trench	Trench	Not Suitable Location
2096-23	PEM 182	WOUS	PEM	Riverine	0.28	Temporary	Abutting unnamed tributary to Deer Creek	44.4100	-96.5264	Trench	Trench	Not Suitable Location
2096-24	PEM 183	WOUS	PEM	Riverine	0.06	Temporary	Abutting unnamed tributary to Deer Creek	44.4068	-96.5262	Trench	Trench	Not Suitable Location
<b>Plant Site</b>												
2096-3	PEM 193	WOUS	PEM	Riverine	0.02	Permanent	Abutting tributary to Deer Creek	44.3925	-96.5272	Permanent Access Road and Culvert	Permanent Access Road and Culvert	Not Suitable Location
2096-3	PEM 193	WOUS	PEM	Riverine	0.02	Temporary	Abutting tributary to Deer Creek	44.3925	-96.5272	Trench and Temporary Construction Limits	Trench and Temporary Construction Limits	Not Suitable Location
<b>Water Pipeline Corridor</b>												
2096-3	PEM 199	WOUS	PEM	Riverine	1.84	Temporary	Abutting tributary to Deer Creek	44.3900	-96.5269	Trench	Trench	Not Suitable Location
2096-3	PEM 209	WOUS	PEM	Riverine	3.84	Temporary	Abutting tributary to Deer Creek	44.3875	-96.5286	Trench	Trench	Not Suitable Location
2096-3	PEM 193	WOUS	PEM	Riverine	.18	Temporary	Abutting tributary to Deer Creek	44.3925	-96.5272	Trench	Trench	Not Suitable Location
<b>Water Well Site</b>												
*No wetlands will be impacted in the water well site.												