

**TABLE 8**

**CLEARANCE MATRIX FOR TYPICAL  
COLORADO SPRINGS UNDERGROUND UTILITIES  
(Separate Trenches)**

**TYPICAL PARALLEL/HORIZONTAL CLEARANCE MATRIX FOR  
COLORADO SPRINGS UNDERGROUND UTILITIES**

(all dimensions in feet) All separations shown are the clear horizontal distance between two objects measured surface to surface

Colorado Springs Utilities (Underground)	Potable Water	Non-Potable Water	Waste-water	Storm Sewer	Gas mains 150 psig (MAOP)	Gas main	Gas Service	Electric Primary up to 34.5kV	Electric Secondary (0-480 Volt)	Telecom / Fiber
Potable Water	X	10	10	10 <sup>c</sup>	10	6	3	10 <sup>d</sup>	3	5
Non-Potable Water	10	X	10	10	10	6	3	10	3	5
Wastewater	10	10	X	10 <sup>c</sup>	10	6	3	10 <sup>d</sup>	3	5
Storm Sewer	10 <sup>c</sup>	10	10 <sup>c</sup>	X	10	6	3	10	3	5
Gas mains 150 psig (MAOP)	10	10	10	10	X	6	6	10	10	10
Gas main	6	6	6	6	6	X	3	6	3	5 <sup>a</sup>
Gas Service	3	3	3	3	6	3	X	3	3	3
Electric Primary up to 34.5kV	10 <sup>d</sup>	10	10 <sup>d</sup>	10	10	6	3	X	3	5 <sup>a</sup>
Electric Secondary (0-480 Volt)	3	3	3	3	10	3	3	3	X	5 <sup>a</sup>
Telecom / Fiber	5	5	5	5	10	5 <sup>a</sup>	3	5 <sup>a</sup>	5 <sup>a</sup>	X

**TYPICAL CROSSINGS/VERTICAL CLEARANCE MATRIX FOR  
COLORADO SPRINGS UNDERGROUND UTILITIES:**

(all dimensions in feet) All separations shown are the clear vertical distance between two objects measured surface to surface

Colorado Springs Utilities (Underground):	Potable Water	Non-Potable Water	Waste-water	Storm Sewer	Gas mains 150 psig (MAOP)	Gas main	Gas Service	Electric Primary up to 34.5kV	Electric Secondary (0-480 Volt)	Telecom / Fiber
Potable Water	X	1.5 <sup>a</sup>	1.5 <sup>a</sup>	1.5 <sup>a</sup>	5	1	1	1	1	1
Non-Potable Water	1.5 <sup>a</sup>	X	1.5 <sup>a</sup>	1.5 <sup>a</sup>	5	1	1	1	1	1
Wastewater	1.5 <sup>a</sup>	1.5 <sup>a</sup>	X	1.5	5	1	1	1	1	1
Storm Sewer	1.5 <sup>a</sup>	1.5 <sup>a</sup>	1.5 <sup>a</sup>	X	5	1	1	1	1	1
Gas mains 150 psig (MAOP)	5	5	5	5	X		5	5	5	5
Gas main	1	1	1	1		X	1	1/5 <sup>b</sup>	1	1
Gas Service	1	1	1	1	5	1	X	1	1	1
Electric Primary up to 34.5kV	1	1	1	1	5	1/5 <sup>b</sup>	1	X	0	1
Electric Secondary (0-480 Volt)	1	1	1	1	5	1	1	0	X	1
Telecom / Fiber	1	1	1	1	5	1	1	1	1	X