

"SAMPLE AERIAL WIRE/CABLE PROFILE VIEW ONLY"

This sample drawing is to illustrate the basic information required. Your drawing must be "site specific," and no larger than 11"X17"

ALL INFORMATION ON IN THIS SAMPLE DRAWING, INCLUDING THE TABLE, ARE REQUIRED ON YOUR DRAWING TO BE SUBMITTED TO IMG Rail Consulting.

LEGEND		WIRE/CABLE DETAILS			<u>YOUR TITLE BLOCK</u>		
Letter	Description	Type: <input type="checkbox"/> Electric <input type="checkbox"/> Cable TV	<input type="checkbox"/> Communications <input type="checkbox"/> Other Describe: _____		Location: _____ Latitude: N ___:___:____. Longitude: W ___:___:____. Drawing No.: _____ Sheet: ____ of ____ Drawing Date: ___/___/___ Revised: ___/___/___ Drawing Scale: V _____ Inches = _____ Feet Drawing Scale: H _____ Inches = _____ Feet		
(a)	Distance from centerline of track to railroad R2	Conductor Material(s): <input type="checkbox"/> Aluminum/Copper <input type="checkbox"/> Fiber Optic <input type="checkbox"/> Other Describe: _____					
(b)	Distance from pole to centerline of nearest track	Fiber Cable Count:	Wire/Cable 1	Wire/Cable 2			Wire/Cable 3
		Wire Size/Pair:					
(c)	Distance from top-of-rail to bottom-of-sag	Voltage:					
		If options above not applicable, describe:					
		Number of Phases (Electric Only):					
(d)	Distance between existing and proposed cable/wireline	Type of Wire Supports:					
		False Dead Ends:					

The following table lists minimum required vertical clearances:

Wire Line Clearance Chart

VOLTAGE (to ground)	MINIMUM CLEARANCE REQUIRED ABOVE TOP OF RAIL
Insulated Communication Wirelines	23.5 ft.
Non-insulated Communication Wirelines	24 ft.
Shielded or insulated power wirelines 0-750 volts	24 ft.
Shielded or insulated power wirelines (Lashed to bare ground messenger) 751V to 22kV	24.5 ft.
Open supply conductors 0-750 volts	24.5 ft.
Open supply conductors 751V – 22kV	26.5 ft.
50kV	27.5 ft.
100kV	29.2 ft.
150kV	30.8 ft.
200kV	32.5 ft.