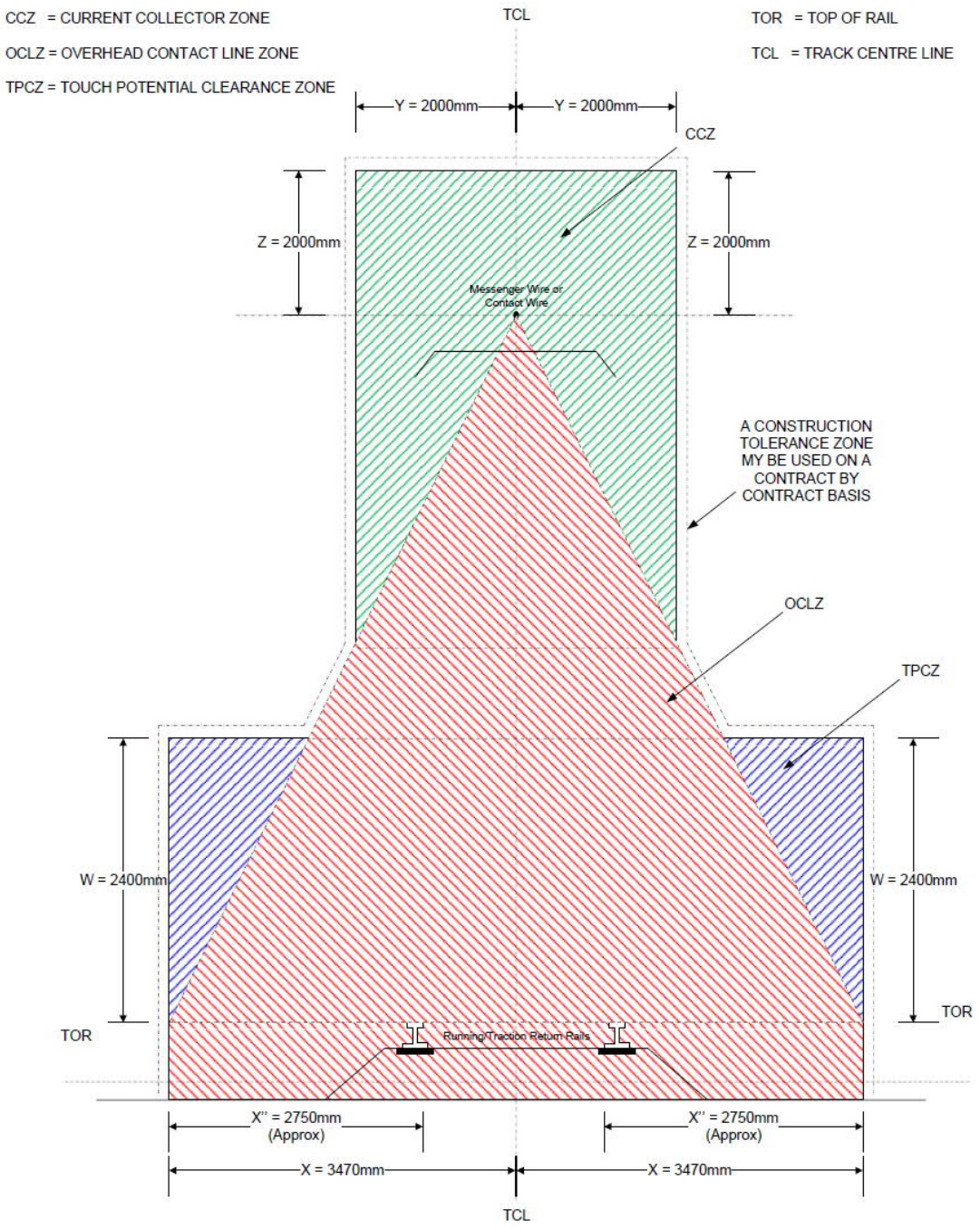


INTERPRETATION OF X, Y AND Z DIMENSIONS DEFINED IN EN50122-1 FOR APPLICATION ON MANCHESTER METROLINK TPL:

X = 3470mm = DEFINES HORIZONTAL CLEARANCE OF OCLZ AND TPCZ AT TOR IE HORIZONTAL CLEARANCE TO ADJACENT INFRASTRUCTURE OUTSIDE OF WHICH FURTHER RISK ASSESSMENT FOR EARTHING AND BONDING MEASURES ARE NOT REQUIRED.

X'' = 2750mm = X DIMENSION AS MEASURED FROM RUNNING RAIL EDGE.

W = 2400mm = VERTICAL CLEARANCE OF TPCZ AS MEASURED AT EDGE OF HORIZONTAL CLEARANCE ZONE.

A CONSTUCTION TOLERANCE ZONE MAY BE APPLIED ON A CONTRACT BY CONTRACT BASIS FOR THOSE ITEMS THAT ARE LOCATED JUST OUTSIDE THE CCZ/OCLZ/TPCZ.

Y = 2000mm = DEFINES HORIZONTAL CLEARANCE FOR CCL AT OLE SYSTEM HEIGHT IE HORIZONTAL CLEARANCE BETWEEN OLE AND ADJACENT INFRASTRUCTURE OUTSIDE OF WHICH FURTHER RISK ASSESSMENT FOR EARTHING AND BONDING MEASURES ARE NOT REQUIRED.

Z = 2000mm = DEFINES VERTICAL CLEARANCE FOR CCL MEASURED FROM OLE HEIGHEST WIRE HEIGHT. IE VERTICAL CLEARANCE TO ADJACENT INFRASTRUCTURE OUTSIDE OF WHICH FURTHER RISK ASSESSMENT FOR EARTHING AND BONDING MEASURES ARE NOT REQUIRED.

In this System Earthing Policy, nominal wire height is equivalent to the highest point of overhead contact line as defined in BS EN 50122-1

**Figure 4b – Clearance Zones between the Tramway and Lineside Equipment**

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