








## Installation of SB-2 Sub-base of MCM-JDP

**Object :** This method applies when installing a Sub-base to be used with a Joint Pedestal (JDP) supplied by MCM.

Note: Sub-bases should be installed exactly where showed on the engineering drawings of the project.

	<p>1. Excavate according to the required depth, about 72 in. (1825 mm) below the specified FINAL grade level. At the bottom of the excavation made, build-up a foundation of 6 in. (150 mm) thick of aggregates MG 20 compacted to 90% MP. Top of compacted foundation will then be at about 66 in. (1675 mm) below specified final grade level.</p> <p>Excavation is now ready to receive the Sub-base.</p>
	<p>2. Lower the Sub-base on compacted foundation and align internal cross parallel to the street, so that the "Street Side" pictogram is correctly positioned :</p> <p style="text-align: center;">Telecom : <b>Street Side</b>                      –      (Energy : <b>House Side</b>)</p> <div style="text-align: center;">  </div>
	<p>3. Place a hand level on top of the sub-base. Maintain the Sub-base level while filling in and compacting more crushed aggregates MG 20 around the bottom of the sub-base, up to the level indicated as "Top of Aggregates" on the foot of the Sub-base. Attain 90% MP compaction for every 8 in. (200 mm) layer.</p> <p>The sub-base is now ready to receive the distribution conduits and elbows.</p>
	<p>4. Install the various elbows required for all the different networks as indicated on the engineering drawings. Attach all the elbows solidly to the sub-base, using the rods inside the top of the Sub-base (rods made of stainless steel which can be cut off if in the way). Install caps at the end of the elbows and proceed to install the grounding rod and wire as specified in the Hydro-Quebec standards.</p> <p>The Sub-base is now ready for the concrete overcoating.</p>
	<p>5. Install a square or round form (e.g. Sonotube™) with diameter of 48 in. (1200 mm) around the Sub-base. Make the cuts at the bottom of the tube for passage of the various conduits. Block with aggregates the spaces left around the conduits to minimize loss of concrete. Once solidly in place, pour inside the form flowable concrete <b>1,0 to 1,8 Mpa</b> (recommended) up to the mark on the Sub-base indicating «Top of Flowable Concrete». Plug conduits and elbows at both ends with properly fitted caps.</p>
	<p>6. Wait at least 48 hours for concrete to solidify. Once the concrete has solidified, cut the elbows at the specified height and, if applicable, install the red safety cover. Cover is fastened to the Sub-base with four bolts supplied and can be padlocked if needed.</p> <p>The Sub-base is now ready to receive the MCM-JDP cabinet.</p>

Name of sheet :	HT-MCM_SB-2-v1,1	MCM steel Sub-base :	Cat.# SB-2
Date/version :	January 2017/ v1,1	MCM Cabinet :	Cat.# (various)
Info :	mcmintegration.com	Red safety cover :	Cat.# SB-1101
Prepared by :	MCM Integration	French version of this document :	AT-MCM_SB-2-v1,1