Joint Deflection for AWWA C900 Pipe

The joint deflection may be reached on Sanderson Pipe Corporation's AWWA C900 pipe by following the listed procedures below:

1. When inserting the spigot end of the pipe into the bell, do not over insert the spigot past the reference mark. The reference mark should be visible and flush with the lip of the bell. Failure to properly align the reference mark with the bell lip may place excessive stress on the joint and prevent the joint from safely achieving the allowable deflection.
2. At the opposite end of the pipe, manually offset the pipe to the recommended offset value. Do not use heavy equipment or machinery to obtain the offset. If necessary, use bars, blocks, or other appropriate hand tools to move the pipe to the desired deflection.
3. Once the pipe is in the desired position, partially backfill the pipe to help hold it in place.
4. Repeat these steps on the remaining pipe sections if additional joint deflection is required.

Important:

- **The maximum joint deflection for all Sanderson Pipe Corporation AWWA C900 is 1°.**
- **Do not over insert the spigot into the bell. Ensure the reference mark is visible and aligned with the lip of the bell.**
- **Do not combine joint deflection with longitudinal bending.**
- **Verify soil conditions prior to installation.**

Nominal Pipe Size (Inch)	Maximum Offset (Inch)	Angle of Offset	*Radius of Curve (Inch)
4" through 24"	4.2"	1°	1,146"

*Radius of curve is determined using a piece of pipe with a 20 foot lay length.

