SUMMARY OF THE INVENTION

In one aspect, there is provided a method for rehabilitating an existing pipe, in which segments are linked in the circumferential direction and in the pipe-length direction to assemble a rehabilitation pipe inside the existing pipe. The method comprises: providing a plurality of segments each comprising an inner surface plate, side plates extending vertically upright on opposite sides of the inner surface plate and extending in the circumferential direction of the inner surface plate, and a plurality of inner plates extended vertically upright on the inner surface plate between the side plates; linking the segments in the circumferential direction to assemble a pipe unit;

attaching a spacer to one of the segments using a spacer holder before the pipe unit is assembled or after the pipe unit has been assembled, the attaching a spacer to one of the segments using a spacer holder comprising pressing one inner plate of the one segment into a groove on the spacer holder to attach the spacer holder to the one segment, and pressing opposed side walls of the spacer into respective grooves on the spacer holder to attach the spacer to the spacer holder; linking the pipe unit having the spacer attached to the segment in the pipe-length direction to already linked pipe units to form a rehabilitation pipe;

positioning the rehabilitation pipe relative to the existing pipe using the spacer; and injecting a filler

between the positioned rehabilitation pipe and the existing pipe.

In a method for rehabilitating an existing pipe according to the present disclosure, segments are linked in the circumferential direction and in the pipe-length direction to assemble a rehabilitation pipe inside the existing pipe. The method comprises: linking the segments in the circumferential direction to assemble a pipe unit; attaching a spacer to the segment using a spacer holder before the pipe unit is assembled or after the pipe unit has been assembled; linking the pipe unit having the spacer attached to the segment to the already linked pipe units; positioning the rehabilitation pipe relative to the existing pipe using the spacer; and injecting a filler between the positioned rehabilitation pipe and the existing pipe.

According to the present disclosure, the spacer for adjusting the position of the rehabilitating pipe inside the existing pipe is attached to the segment using the spacer holder. This enables the spacer to be prevented from falling down from the segment or not to be displaced during rehabilitation work, so that the rehabilitation pipe can be positioned appropriately inside the existing pipe, ensuring that the filler can be injected between the existing pipe and the rehabilitation pipe.

BRIEF DESCRIPTION OF THE DRAWINGS

What is claimed is:

1. A method for rehabilitating an existing pipe, in which segments are linked in the circumferential direction and in the pipe-length direction to assemble a rehabilitation pipe inside the existing pipe, the method comprising:

providing a plurality of segments each comprising an inner surface plate, side plates extending vertically upright on opposite sides of the inner surface plate and extending in the circumferential direction of the inner surface plate, and a plurality of inner plates extended vertically upright on the inner surface plate between the side plates;

linking the segments in the circumferential direction to assemble a pipe unit;

attaching a spacer to one of the segments using a spacer holder before the pipe unit is assembled or after the pipe unit has been assembled, the attaching a spacer to one of the segments using a spacer holder comprising pressing one inner plate of the one segment into a groove on the spacer holder to attach the spacer holder to the one segment, and pressing opposed side walls of the spacer into respective grooves on the spacer holder to attach the spacer to the spacer holder;

linking the pipe unit having the spacer attached to the segment in the pipe-length direction to already linked pipe units to form a rehabilitation pipe;

positioning the rehabilitation pipe relative to the existing pipe using the spacer; and

injecting a filler between the positioned rehabilitation pipe and the existing pipe.

2. A method for rehabilitating an existing pipe according to claim 1, wherein the spacer holder is first attached to the one segment and the spacer is then attached to the spacer holder.

3. A method for rehabilitating an existing pipe according to claim 1, wherein the spacer is first attached to the spacer holder and the spacer holder that holds the sparer is attached to the one segment.

4. A method for rehabilitating an existing pipe according to claim 1, wherein the groove on the spacer holder extends in the circumferential direction and has the same width as the plate thickness of the inner plate.

5. A method for rehabilitating an existing pipe according to claim 1, wherein the side walls of the spacer extend in the pipe-length direction, and the grooves on the spacer holder each have the same width as the thickness of the side wall of the spacer.