CLAIMS

1. A shunt tube assembly to be mounted alongside a base pipe assembly, the shunt tube assembly comprising:

a first shunt tube having a first end;

a second shunt tube having a first end; and

a jumper tube assembly fluidly connecting the first shunt tube and the second shunt tube, wherein the jumper tube assembly comprises:

a first tubular member engaged with the first end of the first shunt tube;

a second tubular member disposed within the first tubular member, wherein the second tubular member telescopically and slidingly engages within the first tubular member, and wherein the second tubular member is extended to engage with the first end of the second shunt tube; and

a locking member that engages the first tubular member and the second tubular member, and wherein the locking member prevents the second tubular member from telescopically and longitudinally displacing further into the first tubular member when the locking member engages both the first tubular member and the second tubular member.

2. The shunt tube assembly of claim 1, wherein the locking member is engaged with at least a portion of an outer surface of the second tubular member.

3. The shunt tube assembly of claim 1, wherein the locking member is engaged with an inner surface of the first tubular member.

4. The shunt tube assembly of claim 1, wherein the locking member maintains engagement between the jumper tube assembly and the shunt tube assembly.

5. The shunt tube assembly of claim 1, wherein the locking member maintains a ~~sealing~~ sealing engagement between the jumper ~~lube~~ tube assembly and the shunt tube assembly.

6. The shunt tube assembly of claim 1, wherein the locking member comprises frictional grooves on at least one face, and wherein the frictional grooves prevent longitudinal movement of the locking member along a longitudinal axis of the jumper tube assembly.

7. The shunt tube assembly of claim 1, wherein the second tubular member