SKSC Civils (pty) LTD

Brilliance– Technology – Quality - Innovation

About us

SKSC Civils was inspired by numerous individuals in South Africa, ranging from the civil to the construction industry, to truly encompass the ethos of our vision and mission.

With a combined experience of over 30 years in the civil and construction industry, we can truly bring a holistic approach of problem solving to all our clients. We strive to look for the most cost effective method in solving our client's problems, instead of giving redundant solutions.

Our services range from the following:

- Civil works
- Emergency Pipe repairs
- Water, Sewer & Stormwater reticulation
- Trenchless pipe rehabilitation (Pipe bursting ,Soft lining, slip lining)
- Minor building projects

Vision Statement

SKSC Civils vision statement is to amalgamate technology and incorporate good corporate governance into the civil & construction industry, where the ordinary individual can relate and contribute to the changes to his particular infrastructure needs. By instilling accountability in the company's employees and managing with a bottom-up approach, Suiderkruis Siviel will not only empower its employees to help build the company, it will become one of the most desirable companies to work for in South Africa and request service delivery, from a client perspective.

Mission Statement

To insure our clients receives the highest level of quality of construction & civil services at a fair and market-competitive price and include our clients into the progressive decisions making process, to achieve the optimum level of quality and usability. In training our employees to the optimal level and creating a synergy between different levels of the hierarchy in management, we will ensure that we uplift every employee and to reinvest not only in Suiderkruis Siviel, but in all our clients' service needs as well.

What we offer

- **Water & Sewer Pipe Rehabilitation (Trenchless)**
  - CIPP
  - Patch lining
  - Pipe Cracking / Pipe Bursting
  - Slip Lining
  - Joint sealing
  - Emergency point repairs
- **Services Offered**
  - Deep point repairs (-+ 7 Meter Deep “shoring”)
- **Consulting**
- **Civil Works**
  - Manhole repairs
  - Sumps
  - Open trench
  - Paving
  - Concrete surfacing
  - Premix (Road Construction)
  - Pump Station repairs
- **Building**
  - General Building And Construction
- **Services provided via preferred sub-contractors**
  - Horizontal directional drilling
  - CCTV pipe inspection
  - HP pipe Cleaning

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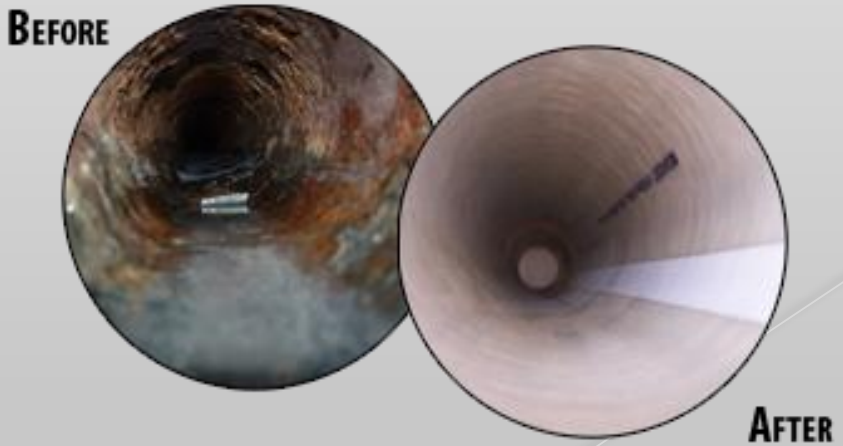
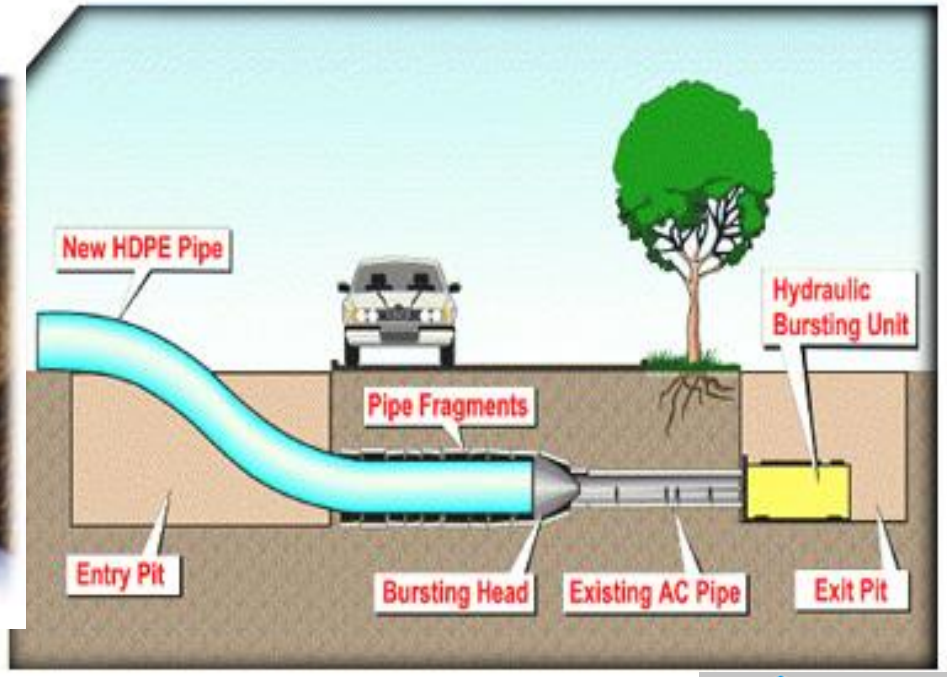
Cured in Place Pipe (CIPP) Lining

- CIPP Lining is the most advanced and the only true trenchless method of rehabilitation in the world today. A felt impregnated resin tube is inserted into the host pipe, the liner (resin tube) is then inflated using air or water which then pressurizes the liner against the host pipe. The liner then Cures in Place, hence CIPP.
- Once the liner has cured we then open the connections using a robotic cutter.
- When using CIPP method for rehabilitation there is no need for excavations, thereby saving huge costs on needing large plant and equipment like traditional method of excavating.
- CIPP Lining methods are very well suited for:
  - Where immovable objects such as buildings surround the pipeline
  - Deep pipelines with limited access.
  - Pipelines where excavations will create unacceptable disruption to traffic and other activities.
  - Where downtime needs to be reduced or little time on pressure lines before pump starts.

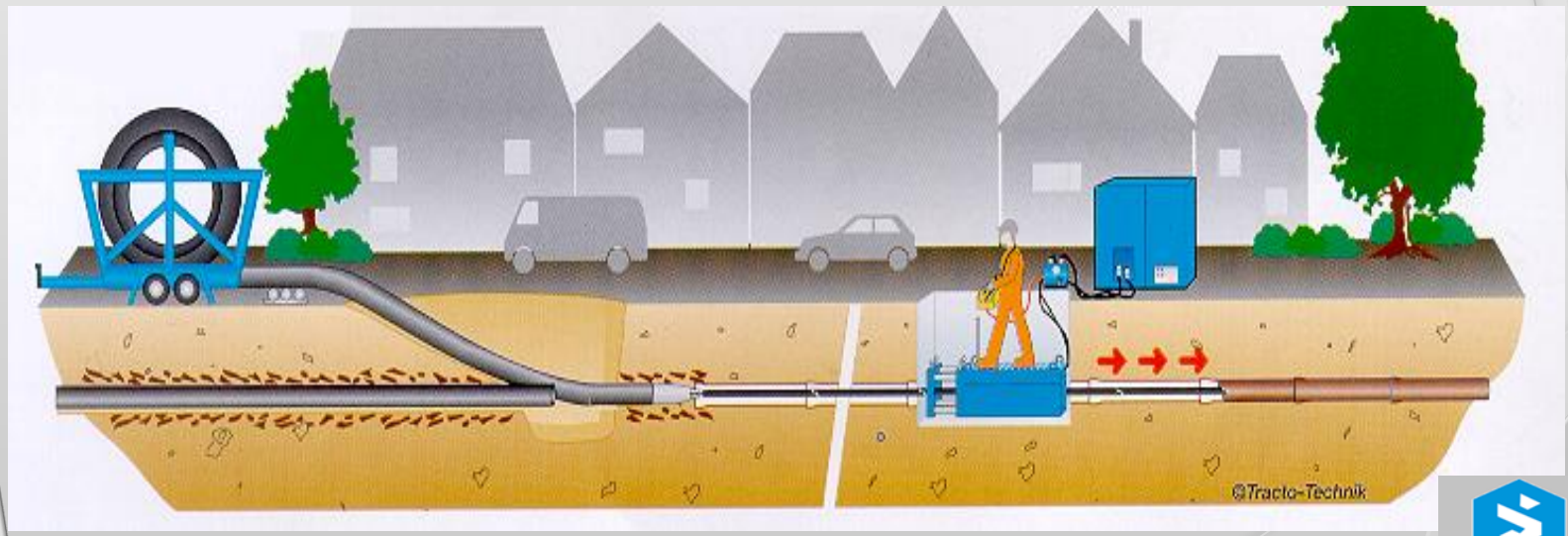


Pipe Cracking (Upsizing)

Pipe-cracking is the process by which one inserts a new pipe into an existing line while breaking up and dispersing the host pipe. During pipe cracking, a new High Density Poly Ethylene (HDPE) pipe is connected to a cracking mandrel (or cracking head) and lined up at the one end of the host pipe. The new pipe (spear headed by the cracking mandrel) is then dragged through the host pipe by means of hydraulic force. The host pipe is cracked open and dispersed, making way for the new HDPE pipe along the original trajectory.

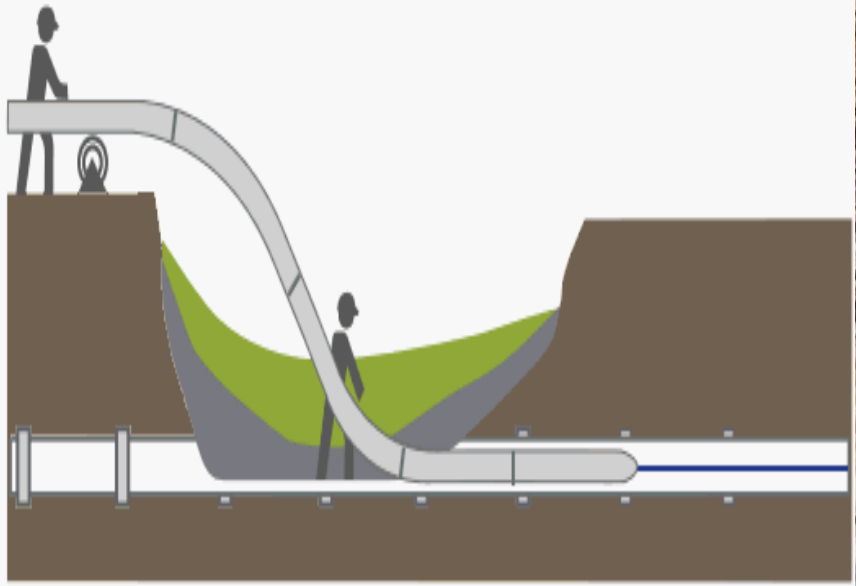


- The host pipe can be replaced with one of equal size or it can be up sized to a larger diameter. A continuous HDPE pipeline ensures total sealing of the pipe, while minimal excavations are required to reinstate lateral connections to the new pipeline. Chemical resistant and robust HDPE material with a 50-year life expectancy is normally used.
- Pipe-cracking methods are very well suited for:
  - Pipelines that are surrounded by immovable or delicate infrastructure.
  - Pipelines that are covered by surfaced that are expensive or difficult to reinstate after excavations.
  - Pipelines where significant excavations will create unacceptable disruption to traffic and other activities.



Slip-Lining

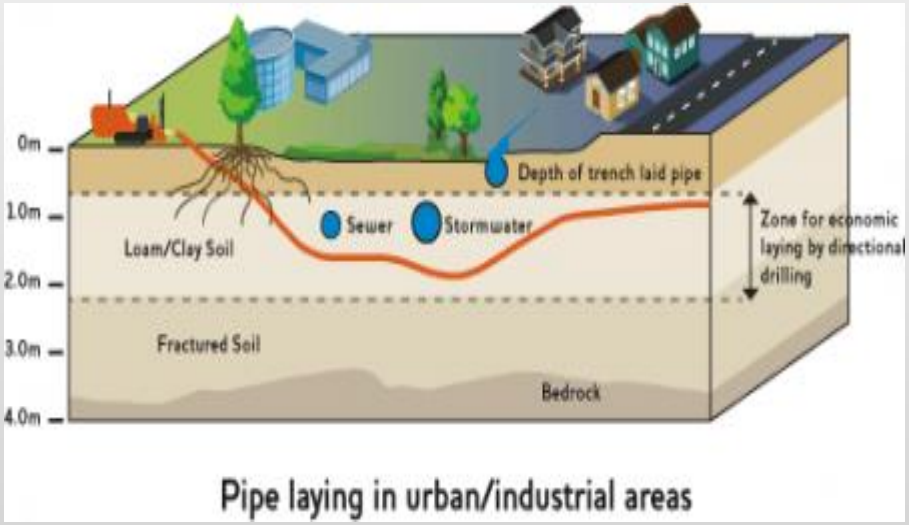
Slip-lining consists of inserting and securing a new pipe within an existing host pipeline. The small cavity (or annulus) between the wall of the host pipe and the new pipe is often filled with a cement slurry in order to secure the new pipe completely. While slip lining slightly reduces the diameter of the host pipeline, the benefits of simplicity, speed and economy often make this the technique of choice. Once the installation is complete the integrity and longevity of the pipeline is ensured.



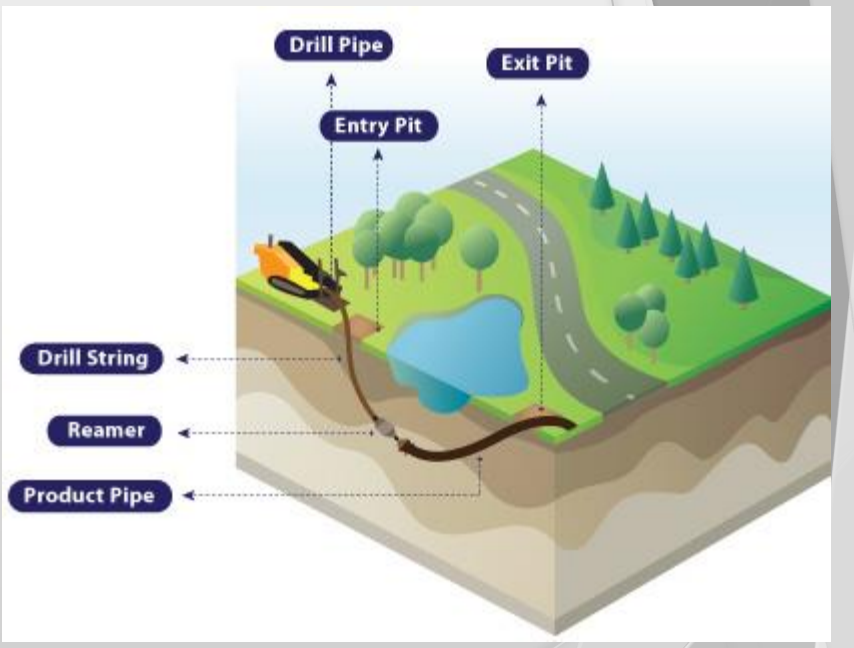
Horizontal Directional Drilling

Horizontal Directional Drilling or HDD, is a steerable trenchless method of installing underground pipes, conduits and cables in a shallow arc along a prescribed bore path by using a surface-launched drilling rig, with minimal impact on the surrounding area.

HDD is used when trenching or excavating is not practical. It is suitable for a variety of soil conditions and jobs including road, landscape and river crossings.

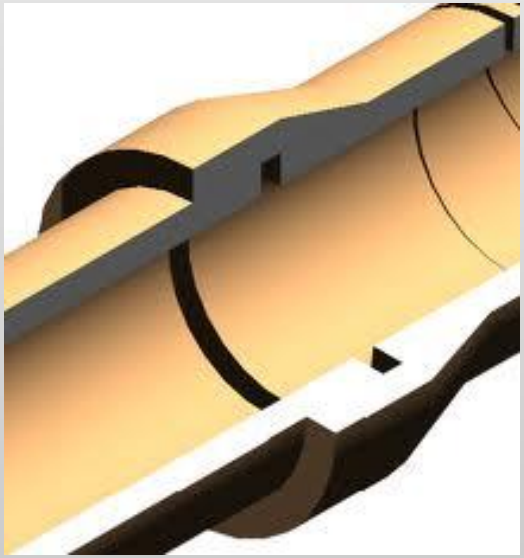


Pipe laying in urban/industrial areas



Joint sealing

Joint sealing is a process of re-sealing low-pressure pipelines, primarily against infiltration of ground water, roots and sand. This operation takes place between manholes using a very efficient technology. A specially designed piston is dragged through the pipeline and used to inject cement-based grout into crevices, damaged joints, cracks and cavities in or around the pipeline. Culverts and man entry pipes are sealed using a mould to inject grout. This method is especially effective in preventing the off settling of pipelines, sink holes and blockages caused by infiltration.



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