



RETAINING &  
REINFORCEMENT  
SOIL STABILISATION  
UNDERPINNING  
SOIL RETENTION  
EROSION CONTROL

MICROFINE CHEMICAL GROUT INJECTION SPECIALIST



CGI SOLUTIONS PTY LTD





PENETROMETER TESTING TO  
INSURE GOOD COMPACTION



**CGI SOLUTIONS PTY LTD**

Proudly Western Australian owned and operated, CGI Solutions / Stable Earth has over 20 years of experience in the construction industry.

CGI Solutions is an established and reputable provider of civil and construction services, specialising in Microfine Chemical Grout Injection / Underpinning / Retaining across all industry sectors in Western Australia.

Where quality, customer service and excellence comes as standard, Director, Ashley Huf takes pride in his ability to provide comprehensive and highly skilled services.

Over his career, Ashley has established a solid understanding and a proficient reputation in his ability to get the job done in all types of conditions and environments.



# WHAT IS CHEMICAL GROUT INJECTION?

Versatile and innovative, Microfine Chemical Grout Injection is fast becoming the preferred method in ground improvements.

Chemical Grout is typically defined as a low viscosity cement that is injected into the pores of the soil without displacing or changing the soil structure.

This method has no damaging effects to surrounding structures. It is injected under liquid form at low pressure and binds with the existing soil, and will achieve its maximum compressive strength (mpa) within 7 days.



"WE TAKE GREAT PRIDE  
IN OUR WORK"



COMPACTION IS  
PARAMOUNT



HERITAGE LISTED BUILDINGS





FOR UNDERPINNING,  
MICROFINE CHEMICAL  
GROUT INJECTION OFFERS  
ADVANTAGES OF BEING EASILY  
ACHIEVED WHERE ACCESS  
AND SPACE IS LIMITED.



STRENGTHENING  
FOOTINGS FOR  
WEIGHT BEARING



"WE GO ABOVE  
AND BEYOND  
TO GET THE JOB  
COMPLETED"



- UNDERPINNING WALLS
- CONCRETE FOOTINGS
- HOUSE SLABS
- AROUND NEW AND ESTABLISHED POOLS
- POORLY COMPACTED AREAS
- RETAINING WALLS
- WATER DAMAGED
- HERITAGE LISTED BUILDINGS AND LOCATIONS.



SINKING FOOTINGS







ENSURING MAINS  
ARE SAFE & PROTECTED

## CASE STUDY

### CHEMICAL GROUT INJECTION & EARTHWORKS

- The driveway required a chemical grout injection ranging from a depth of 4.6m to 1m at the shallow end.
- We hand dug around live services as a duty of care. This ensured no damage took place while the earthworks were in progress.
- Due to the extent of the grout injection, we supervised the dig from the start to finish working in with the earth workers.
- The finished product of the grout injection and earthworks resulted in the driveway above to remain operational, for both the neighbours above and also for the contractors below.

*"I have worked closely with Ashley Huf Director of CGI Solutions on a few projects that required intense supervision and experience so as to achieve a positive outcome. CGI Solutions work ethic and knowledge is a major asset for any builder/developer looking for a professional chemical injection company."*

*Rob Spadaccini  
Director  
Spadaccini Homes*



4.6M DEEP INJECTION



SUPERVISING A DIG

"GOOD COMMUNICATION AND UNDERSTANDING IS THE KEY TO A SUCCESSFUL PROJECT"





CHEMICAL GROUT INJECTION IS  
IDEAL FOR UNSTABLE STRUCTURES  
AND DEEP EXCAVATION AREAS.

THE LOW IMPACT GROUT  
INJECTION CAN BE INSTALLED AT  
VARIED DEPTH AND WIDTHS.



"MAKE THE MOST OF  
YOUR LAND"



## HEALTH & SAFETY

As a company CGI Solutions and all its employees adhere to a Safety Policy in line with the Occupational Health and Safety Act 1984. Our Safety Policy Statement describes our commitment to uphold safe working practice. A full copy of our safety manual can be made available on request.

This onsite experience ensures that CGI Solutions is well accustomed to the site requirements, specifications and standards, which combined with an upmost commitment to work place safety and quality assurance.

More industries are now utilising the Chemical Grout Injection method due to its non-invasiveness and versatility.

It has fast become the preferred method of choice in Mining and Construction industries; Builders - commercial and residential; Pool installers; Land developers; Retaining wall specialists; Earth workers; Landscapers; Concreters; Home owners and more.

## OUR SERVICES

- Microfine Chemical Grout Injection
- Underpinning
- Retaining
- Core Drilling
- Excavations
- Concrete Sawing
- Soil Retention



## WHAT THEY SAY ABOUT CGI SOLUTIONS

*"I have project managed a few projects in my career, but the pragmatic approach of CGI Solutions - the focus on the end product and determination to resolve any issues that arose on site made it one of my most successful projects. Above all, it was a joy to work closely with Director, Ashley Huf. His firm, but effective managerial skills, knowledge on chemical injection works and willingness to engage to resolve issues as they arose are impressive. I don't believe the project would have been delivered at the time and cost at which it was delivered without such expertise and I am proud to have been part of it. I am also glad that senior management were on hand to offer support whenever challenges arose. I would have no hesitation recommending CGI Solutions for similar contracts and wish you all the best as company for the future."*

**Georgiou – Three Bridge Project Port Hedland**  
**Gavin Curley**  
Project Manager, Central Systems

*"We have been using CGI Solutions Pty Ltd for our chemical injection for some time and we have found them to be very competitive in their pricing, reliable and certainly accommodating when short term notice is given for urgent chemical injection works. We would certainly not hesitate in recommending their services."*

**Glenn Smith**  
Building/Operations Manager, Quattro Homes Pty Ltd

*"Following damage to one of our residential retaining walls, our Structural Engineering recommended a grout injection solution. I was very impressed with the service provided by CGI Solutions both in the speed of quotation as well as in the works provided on the day of injection. The team were very courteous, the information provided was clear and all works were undertaken in a professional manner. I would definitely recommend the services of CGI Solutions."*

**Connell, Bassendean.**

## CALL TODAY FOR YOUR FREE QUOTATION

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