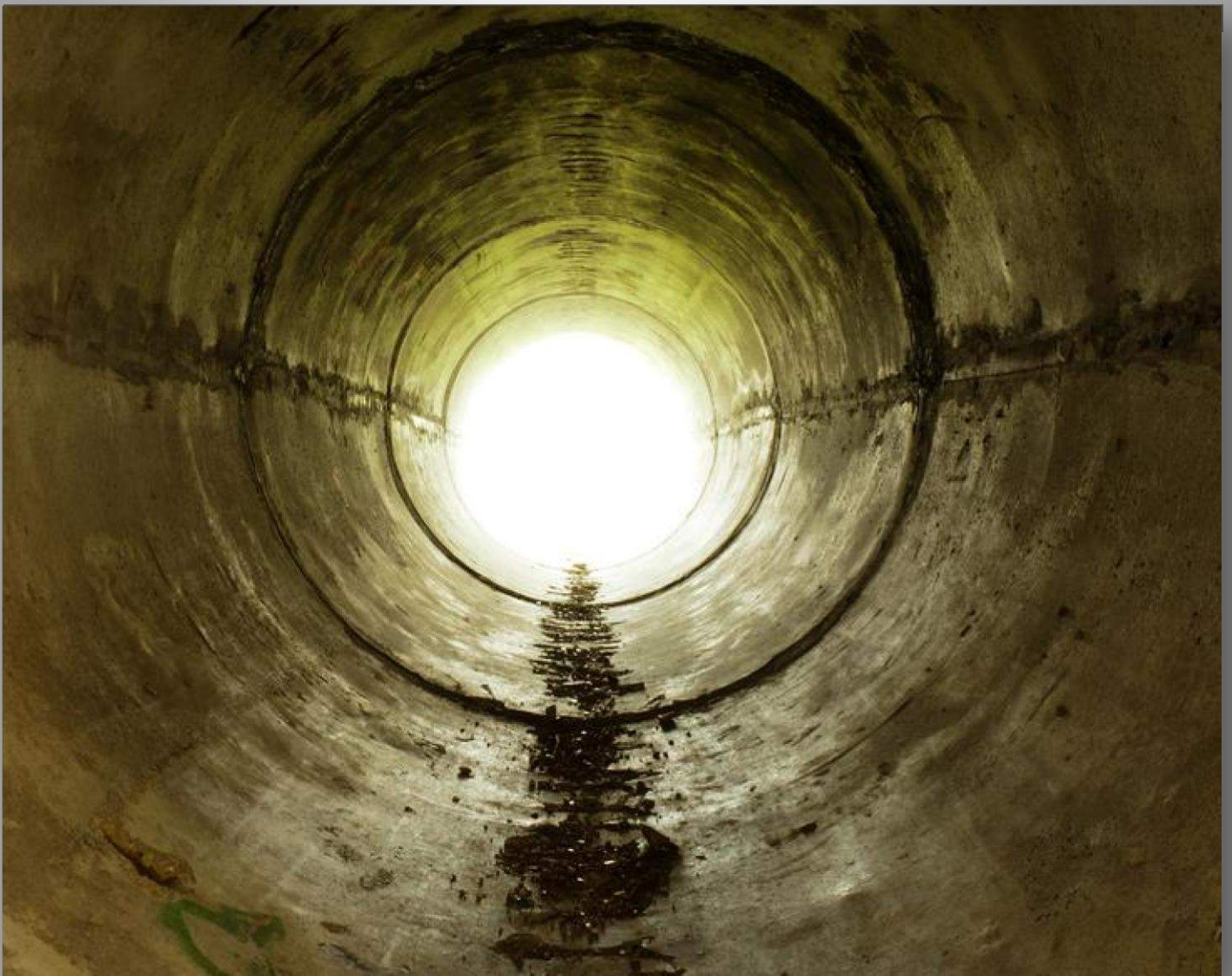




**AHA BORING**  
AUSSIE HORIZONTAL AUGER BORING

# CAPABILITY STATEMENT 2016







**AHA BORING**  
AUSSIE HORIZONTAL AUGER BORING

## AHA Boring

**Specialist in Horizontal Auger Boring**

Bringing 20 years' experience, exceptional operating teams and the most up to date equipment to support Australia's infrastructure developments.

AHA Boring Prides itself on our workmanship and commitment to complete any project we undertake.

We believe you are only ever as good as your last job and continually strive to better ourselves and hold our place as leaders in this specialised industry.





**AHA BORING**  
AUSSIE HORIZONTAL AUGER BORING

## About Us — AHA Boring

AHA Boring are specialists in Horizontal Auger Boring offering a turn-key solution to our client's trenchless requirements. With over 20 years' experience in the industry and utilizing the most up to date Auger Boring Equipment available, we deliver exceptional services.

We offer a personal, professional and safe service for Utility Infrastructure in the Construction, Mining, Oil and Gas industries.



# Current and Completed Projects

**Client:** Mcilwain Civil

5 Separate Crossings under the D'Aguilar Hwy, Wamuran for a Highway Upgrade  
Over 75m of DN1200 RCJP / Over 50m DN750 RCJP

---

**Client:** GD Engineering / Arrow Energy

45m of DN750 RCJP under Peak Downs Hwy, Coppabella for a 5600D PE Line

---

**Client:** Murphy Pipe and Civil

Over 300 meters of trenchless crossings required for Phase 2 of the Lauren trunk line in Chinchilla, QLD - Sizes ranging from 450mm to 1050mm in diameter.

---

**Client:** Newlands Civil Constructions for Toowoomba Regional Council

Installation of over 112 meters of DN600 RCJP for sewer upgrade  
Installation of over 90 meters of DN450 RCJP for water main upgrade

---

**Client:** Tracksons HDD for Cairns Regional Council

Installation of over 120 meters of DN700 steel enveloper under road and railway for Rising sewer main

---

**Client:** JFM Civil for Gold Coast Water

Installation of 90m of DN900 Steel enveloper through the main grounds of the Prestige's Southport School for a much needed sewer upgrade.

---

**Client:** Shamrock Civil

Installation of 50 meters DN300 Steel enveloper over 2 separate bores for an electrical crossing under an entry road into the Jordan Gas Plant, Kogan QLD

---

**Client:** Suncoast Pipelines Installation of 48 metres DN600 Steel enveloper for twin rising sewer main lines. - Maroochydhore, QLD

**Client:** BMD URBAN

6 Separate Crossings at the Brisbane Airport for Water and sewer installation  
Over 100m of DN500 and DN600 Steel enveloper for PVC and MSCL services

---

**Client:** Celtic Constructions

22m and 20m of Trenchless crossings completed for a OD560 Poly Line for a Sewer Rising Main.

---

**Client:** Shamrock Civil

60m of DN450 enveloper installed for Gas services in the Kenya Gas Fields

---

**Client:** Prospect Projects

78m of DN900 Enveloper installed under SeaWorld drive, Gold coast in Wet sandy conditions approximately 1.5m under the Low tide mark in a specially designed dewatered Launch pit.

---

## Upcoming Works

Over 250 metres of Trenchless crossings in 4 separate locations under live rail to be completed for the VNIE project in Victoria for Spiecapag Lucas.

Over 200 meters of Trenchless works ranging from 1360mm down to 700mm for the Surat North (Charlie Trunk Line) Project in Wandoan, QLD.



**AHA Boring Pty Ltd successfully completed 5 Trenchless Crossings  
under the D'Aguiar Hwy, Wamuran QLD for Mcilwain Civil.**



**All Crossings were ranging between 20m and 30m in length and bored diameters of 1360mm and 900mm for installation of DN1200 and DN750 Concrete Jacking pipes.**





# Culvert Rehabilitation & Replacement

AHA Boring offer culvert rehabilitation and replacement. With CMP (corrugated metal pipe) being used for many culvert applications, maintenance and repairs are required to avoid deterioration and loss of hydraulic capacity.

Our method of culvert rehabilitation involves the installation of a smaller reinforced concrete jacking pipe inside the original culvert, the annulus is filled with a flowable grout mixture which eliminates further deterioration of the steel.

If the slight reduction of size is a problem, we can install a larger RCJP in place of the older CMP by means of a specialised jacking rig. As the new pipe is installed, the old pipe is cut out and the excess ground material is removed.

Our method for culvert rehabilitation ensures zero disturbances to the area above the pipes with access only required at either end of the culvert. Compared to the traditional culvert open cut and replace processes our method provides significant financial savings to our clients.

**Zero Disturbances**

**Significant Financial Savings**

**Efficient and Safe**



**Complete failure due to corrosion**



**Damage to the seams and corrosion present.**





# Horizontal Bed Boring & Micro Thrusting

AHA Boring also holds the capability to undertake horizontal bed boring and micro thrusting. This form of trenchless work is perfect for smaller crossings re-quired for services such as:

- Water mains
- Electrical Conduits
- Communications
- Gas mains
- Sewer

This service is suited to crossings under small roads, driveways and concrete pathways. From 70mm up to 250mm in diameter  
Perfect for tight spaces where conventional trenchless methods will not work.  
More suited for soft ground, this method is extremely fast and cost effective, requiring minimal work space.



**AHA BORING**  
AUSSIE HORIZONTAL AUGER BORING



# Guided Pilot Boring System

AHA Borings Guided Pilot Boring System offers its Clients extremely accurate service installation with drive lengths exceeding 100 metres.

Capable of boring in various ground conditions, the GBM Guidance System provides line and grade accuracy to within 6mm at lengths up to 122 metres.

With the ability to use the guided boring machine on its own or in conjunction with a Horizontal Auger borer to offer crossing diameters from 100mm up to 1829mm with an extremely high level of accuracy.

Guided boring method offers the same level of accuracy as traditional micro tunnelling at a reduced cost and increased efficiency. It can be used to install various types of enveloper casing

- **Steel enveloper**
- **Concrete Jacking Pipes**
- **GRP (Glass reinforced Pipe)**
- **PE / PVC / DICL**

## 2 stage process for on grade and alignment service installations

**Step 1** - Laser Guided pilot rods are installed accurately on pre-determined bore path

**Step 2** – Horizontal Auger bore installs enveloper case on exact alignment of pilot rods

- Effective and cost efficient
- Extremely accurate
- Capable in various ground conditions

## Suitable for a variety of infrastructure projects

- Water
- Sewer
- Gas
- Electrical
- Communications
- Stormwater





# Key Personnel

## **Derry Murphy — Managing Director**

Derry has 25 years' experience in the civil construction industry in Australia and Europe. Jobs he has worked on include the Channel Tunnel (England to France) and many other infrastructure projects throughout Europe and Australia. These varied from wind farms, water and sewerage treatment plants to bridge construction and major bypass projects such as the M4 upgrade in Sydney. Derry was Managing Director with DMCL Construction since 2002 before establishing AHA Boring in 2014.

---

## **Mike Williams — Project Manager**

Mike has over 9 years' experience in the Trenchless / Construction industry having worked on projects all over Australia including the APLNG and QCLNG pipelines. He worked on a number of projects for companies such as Murphy Pipe and Civil, Leightons, Santos, Siapem and MCJV. As well as completing numerous trenchless projects for BMA Moranbah, Goonyella Riverside, Peak Downs and Cavil Ridge Coal mines.

---

## **Richard S Fisher — Advisor and Consultant**

Richard has over 28 years in the Trenchless Industry. He is experienced in working in over 20 countries and brings vast knowledge, experience and safe operation practices of Auger Boring Machines to AHA Boring.

---

## **Kris Williams — Senior Site Supervisor**

A hard working a dedicated member of AHA Boring, Kris has been involved in the trenchless and civil construction industries for over 5 years. Holding numerous qualifications including Certificate IV in Safety and Certificate III in Trenchless Technology, he is a valued member of our team.

---

## **Noel Toms — Site Supervisor**

With a background in Civil Construction and Heavy Plant mechanics, Noel is a key part of our company. Having been directly involved in a number of trenchless projects all over Queensland and NSW, his commitment to a job from start to finish is commendable.



## Systems Management

AHA Boring are committed to **Zero Harm** through an established workplace management system with a well identified and efficient risk management matrix, policy and procedures to ISO standards.

Our HSE Officer ensures our systems are developed with our field managers for successful implementation and continuous improvements.

## Our Specialised Equipment

- Akkerman 240a Guided boring machine
- 48-950 Robbins ABM (475T of Thrust)
- 60/72-1270 Robbins ABM (550T of Thrust)
- 24/6000 and 30/750 Machines
- Multiple sizes of Auger 300mm to 1829mm
- Multiple cutting heads from soft soil to Hard rock.
- JB Bed Boring Unit, 150mm—250mm augers
- Murphy Williams MicroThrust Unit

## Contact Us

**Derry Murphy** | 0451 102 698 | [derry@ahaboring.com.au](mailto:derry@ahaboring.com.au)

**Mike Williams** | 0429 069 692 | [mike@ahaboring.com.au](mailto:mike@ahaboring.com.au)

23 Sandmere Rd Pinkenba QLD 4008

## Let's Get Connected



[www.ahaboring.com.au](http://www.ahaboring.com.au)