

**GENERAL INFORMATION (continued)**

**SHORING OF EXCAVATIONS**

All excavations are to provide a safe working environment for employees and the general public. This is achieved by the implementation of appropriate safety precautions such as shoring and battering.

Details of the minimum shoring requirements are set out in the booklet :-

"TRENCHING AND GROUND SUPPORT SYSTEMS" produced by the South Australian Water Corporation.

All shoring of excavations are to be carried out in accordance with -: REGULATIONS under the OCCUPATIONAL HEALTH, SAFETY and WELFARE ACT 1986 including Construction Safety Regulations 1995.

When removing the shoring system care must be taken to ensure that no damage or displacement occurs to the pipes and fittings laid.

It may be deemed safer to leave timber shoring in place at backfill stage. This is acceptable, however, the sheeting shall not remain within 1.2 metres of the surface without written permission.

It is recommended that the personnel involved in excavations and shoring of, attend an approved competency based Trenching and Ground Support Systems Course.

**USE OF EXPLOSIVES**

The use, storage and transportation of explosives is to be carried out in accordance with :-

- Regulations under the Occupational Health, Safety and Welfare Act.
- Australian Standard AS 2187.
- Mines and Works Act.
- Explosives Act.

Trenches excavated in rock with explosives shall be continued beyond the approved end of the sewer by a distance of 1.5 metres.

Similarly, connection trenches in rock shall be excavated 1.0 metre beyond the connection riser of the inspection opening. Connection trenches being excavated in rock by explosives shall be fully excavated in conjunction with the sewer trench.

Pipes shall not be laid or manholes built within 10.0 metres of any trench being excavated by the use of explosives.

96-0180-02

ISSUED 1<sup>st</sup> JULY 1996

Chg		Amendment -	Des		Signed <b>R M JONES</b> for Executive Manager 14 / 6 / 96 ENGINEERING GROUP		SEWER CONSTRUCTION MANUAL PAGE C2 GENERAL INFORMATION SHORING OF EXCAVATIONS AND USE OF EXPLOSIVES	Not to Scale
Drn			Drn					
Ckd			Exm	GR				
Unit Ldr			Unit Ldr					
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