

# Diaphragm & Slurry Walls

- Always ensure the rig and plant are working on firm, level and certified platforms.
- Obtain a permit to excavate before beginning work.
- A controlled zone must be established. This is defined as the area around the slew area at the back of the rig, includes the excavation and around the spoil heap. From the front of the rig the zone extends beyond the excavation and spoil heap by two metres. Only the Banksman is normally allowed into the controlled zone and he will supervise any other persons who need to enter.
- The Banksman in charge of the controlled zone must be a trained Slinger / Signaller and have received a minimum of one day's safety training in the last 12 months. He should be clearly identifiable.
- Ensure the excavation is clearly marked and supervised at all times. Always protect if left unattended.
- Keep the excavation perimeter tidy and clear of all trip hazards.
- Stand well clear of the excavation plant when digging or discharging spoil.
- Maintain good access to and from the excavation at all times.
- Lifting of reinforcement cages must be to an approved method statement and under the supervision of an Approved Person.
- Always use the correct ropes, slings and shackles, suitably certified. Inspect frequently and replace if necessary.
- Stand clear of the excavation as the cage is lowered into position.
- Keep the work area clean and tidy, wash any bentonite slurry back into trench.
- Maintain edge protection if reversing concrete wagons towards the excavation. Wagons should only reverse under the supervision of a suitably qualified banksman.
- Protect any projecting rebar with 'mushroom caps' or similar.
- Ensure the trench is adequately covered until the concrete / slurry is hard. Continue to demarcate the trench edge.



**Q. What should you obtain before beginning work?**

**Q. What should be provided at the excavation edge?**