



Method Statement Coring (Concrete and Blacktop) Frame Rig

All required equipment will be delivered to site in a van. It consists of a portable 110V electric coring drill mounted on a light alloy frame, which can be either be raw bolted to a concrete surface for stability, or mounted on a tracked power barrow. Power can either be supplied from a small portable petrol or diesel generator or through the mains supply.

All crews are trained and experienced in the use of the plant and equipment and have obtained an appropriate CSCS card.

The STL supervisor will set out exploratory locations with reference to utility information and drawings/plans, access and egress routes, as well as other hazards such as obstacles, soft, uneven or sloping ground etc; maintaining safe distances from any overhead cables, lifting covers where required to check underground runs and CAT scanning each position in the presence of the crew.

The Company Site Safety Form will be used to confirm the procedures have been followed and include details of findings and any consequent actions taken.

The rig and equipment will be setup in a safe manner prior to coring, which will be achieved with a diamond coring bit of the required diameter, protected with a movable guard. Underlying materials may be removed to a limited depth using a hydraulic or electric breaker if required.

On completion, core holes will normally be reinstated with a compacted concrete mixture and an Instarmac tarmac repair for blacktop surfaces, unless specified otherwise, and the investigation site left tidy.

Risk Scoring and Assessment

Health, Safety and Environmental Risk is measured using a 5 x 5 matrix to obtain a result that, after control measures have been applied is scored as: Low (Proceed with care), Medium (If no alternative, proceed with care), High (Do not proceed, seek alternative).

		Severity					
		1	2	3	4	5	
		No Injury or Impact	Minor Injury or Impact	Reportable Injury or Impact	Serious Injury or Impact	Fatality, Disability or Major Impact	
Likelihood	Unlikely or Rare	1	1 LOW	2 LOW	3 LOW	4 LOW	5 LOW
	Remote possibility	2	2 LOW	4 LOW	6 LOW	8 MED	10 MED
	Possibly occur	3	3 LOW	6 LOW	9 MED	12 MED	15 MED
	Probably occur	4	4 LOW	8 LOW	12 MED	16 HIGH	20 HIGH
	Certain to occur	5	5 LOW	10 MED	15 HIGH	20 HIGH	25 HIGH

Hazard/Risk	Type	Affected	Control Measures	Score	Residual Risk
Operating equipment	H&S	Oprs	Trained and competent operators only.	2 x 3	Low
Contact with underground or overhead services	H&S	Oprs	Review positions with reference to utility plans and maintain safe distances. CAT scan each position prior to breaking ground.	1 x 5	Low
Traffic (if on Highway)	H&S	Oprs	Apply NSRWA traffic management measures	2 x 4	Med
Entrapment - damage to hands and fingers	H&S	Oprs	Keep hands/ fingers clear of all moving parts. Movable guard.	2 x 3	Low
Internal works (if required)	H&S	Oprs	Ensure adequate ventilation, access, egress and lighting. Fire extinguishers to be kept next to rig.	2 x 4	Med
Lifting and Handling injuries	H&S	Oprs	Adopt good lifting and manual handling practices; use available aids.	2 x 3	Low
Noise	H&S/Env	Oprs/Env	Noise a maximum of 85dB within 2m. Operators to wear ear defenders. Use warning signs if required.	2 x 2	Low
Vibration	H&S	Oprs	Limit use to 15 min continuous, take regular breaks.	2 x 2	Low
Encountering unexpected asbestos	H&S/Env	Oprs/Env	Stop, backfill and reassess safety arrangements.	2 x 3	Low