

- iii. Road works.
- iv. Noise.
- v. Air quality, dust, fumes etc.
- vi. Government department restrictions e.g. by military and/or traffic police.
- vii. Over sailing rights, i.e. crane jib perimeter.
- b. Buried services crossing the site e.g. gas, oil, water, sewage, storm water, electricity and telecommunications. Prior to digging, the Contractor shall:
 - i. Study all service utilities on project drawings.
 - ii. Check with all public and private utilities and the owner of the land for existence of services in the proposed work area.
 - iii. Request special measures and detailed procedures from the relevant oil and Gas Company for work in the vicinity of oil and gas transmission pipelines.
 - iv. Obtain certificate of "no objection" from the service utilities authorities for all existing underground services.
 - v. Submit to the Engineer detailed drawings showing the service and/or obstructions in relation to the permanent and temporary work.
 - vi. After obtaining approvals from all concerned authorities carefully dig as necessary trial pits by hand to locate all services and obstructions.
 - vii. As soon as an existing sewer or other service is encountered in the excavation, the contractor shall notify the Engineer and the appropriate authority thereto.
 - viii. Properly support all exposed services to avoid unnecessary stresses. Foundations of such utilities should not be undermined.
 - ix. In addition, for electrical services check area with an approved cable locator and position marker posts to indicate both the line and position of any detected cables. If any services are detected in the area to be excavated, dig by hand until exposed.
- 4. Overhead Services
 - a. Where a roadway or passage is required under a line, the crossing should be at right angles to the line and be restricted to the smallest possible