

HSE Alert No. 01

SAFETY
IS THE KEY TO
ACCIDENT FREE ENVIRONMENT

PROPERTY DAMAGE - 200mm dia. Waterline Damage

Background:

At about 05:30 a.m. on 21st of June 2017, a property damage incident occurred where a 200mm dia. potable waterline that belongs to local Water Authority, was damaged during excavation undertaken by the subcontractor.

The incident occurred when operator of excavator attached with rock breaker was assigned to carry out excavation for under pass road construction, upon completing approximately 1-meter depth of excavation, the excavator operator observed water started flowing and accumulating on the excavation.



Key Findings

- The damaged utility was not shown / mentioned in the provided superimposed drawing where the area was marked for excavation that identify the location of clashing point.
- There's no indication (such warning tape on the top of the pipe) that there's a U/G utility.
- The excavator operator was not aware that 200mm potable waterline was present on the location which marked for excavation.

Preventive Measures & Lesson Learnt

- Relevant permit from the owner of utilities shall be obtained to ensure that the relevant regulations been followed during execution of works on the vicinity of existing utilities.
- Proper coordination has to be established with the local authorities or asset owner if the activity shall be carried out within the vicinity of existing utilities, especially if the location of suspected utilities is unknown and not shown in the provided drawings.
- Identify, locate and mark the position of U/G facilities. Features such as street lighting, drainage access points, roadside cabinets and marker posts can help identify the presence of nearby services. Do not assume that utilities are not present if the features cannot be observed.
- Use cable detection equipment to confirm the exact location of the underground services that are believed to be present and check for services that may not appear on utility provider documentation.
- Dig hand excavated trial holes to confirm the exact position of the buried services.

This alert shall be displayed on all HSE Notice Boards belongs to contractor and all subcontractors working on the Project.