

2.2 Entry into excavation / trench deeper than 1.5m Not applicable

One or more of the following controls are mandatory to prevent ground collapse before a person can enter a trench/excavation deeper than 1.5m (*tick which control/s will be implemented*):

- Benching (maximum bench height cannot exceed **1.5m** unless designed and certified in writing by a RPEQ engineer)
- Battering (angle of repose must not exceed **45 degrees** unless designed and certified in writing by a RPEQ engineer)
- Shoring / trench box
- Written assessment from a RPEQ engineer warranting there is no risk of collapse

High Risk Work Rescue Plan ([TEM-00027](#)) developed. Y mandatory

Safe entry and exit points confirmed (e.g. ladders at 9m intervals along the trench and protruding at least 1m above ground, ramps or steps used). Y mandatory

Standby person / spotter is appointed and in place for the duration of the work.
Name(s):..... Y mandatory

Risk of unsafe atmosphere within the excavation/trench identified and controlled (e.g. controls in place for use of chemicals or exhaust-emitting plant/equipment in or near the excavation). Y N/A

Additional risk controls, instructions or information:

2.3 Falls into excavation / trench

Controls in place to prevent people or objects falling into open excavation/trench (e.g. barricades, signage, spotters etc.) Y N/A

Heavy loads not positioned within the zone of influence of an excavation/trench
(Setback distance at least equal to the depth of unsupported trench wall). Y N/A

Controls in place to prevent persons from entering a section of excavation/trench where there is a risk of harm from plant falling into the occupied area. Y N/A

2.4 Work environment

Controls in place to maintain exclusion zone around overhead electrical lines, including use of spotter:
Spotter name(s):..... Y N/A

Is there potential for the planned excavation/trench to impact stability of buildings or structures?; or
Is specialist engineering advice needed to manage risks arising from poor ground conditions? (*refer notes on page 3 for guidance on poor ground conditions*) Y N/A
If **YES**, written assessment by a RPEQ engineer is required before proceeding.
Name of engineer:..... *Date written assessment received:* / /

An environmental assessment is required due to:
 contaminated land acid sulphate soil fire ants work in a waterway or coastal area
 Vegetation Protection Order in place cultural heritage other: Y N/A

Overland water management controls have been implemented. Y N/A

Sedimentation management controls have been implemented. Y N/A

Dust management controls have been implemented. Y N/A

2.5 Other controls

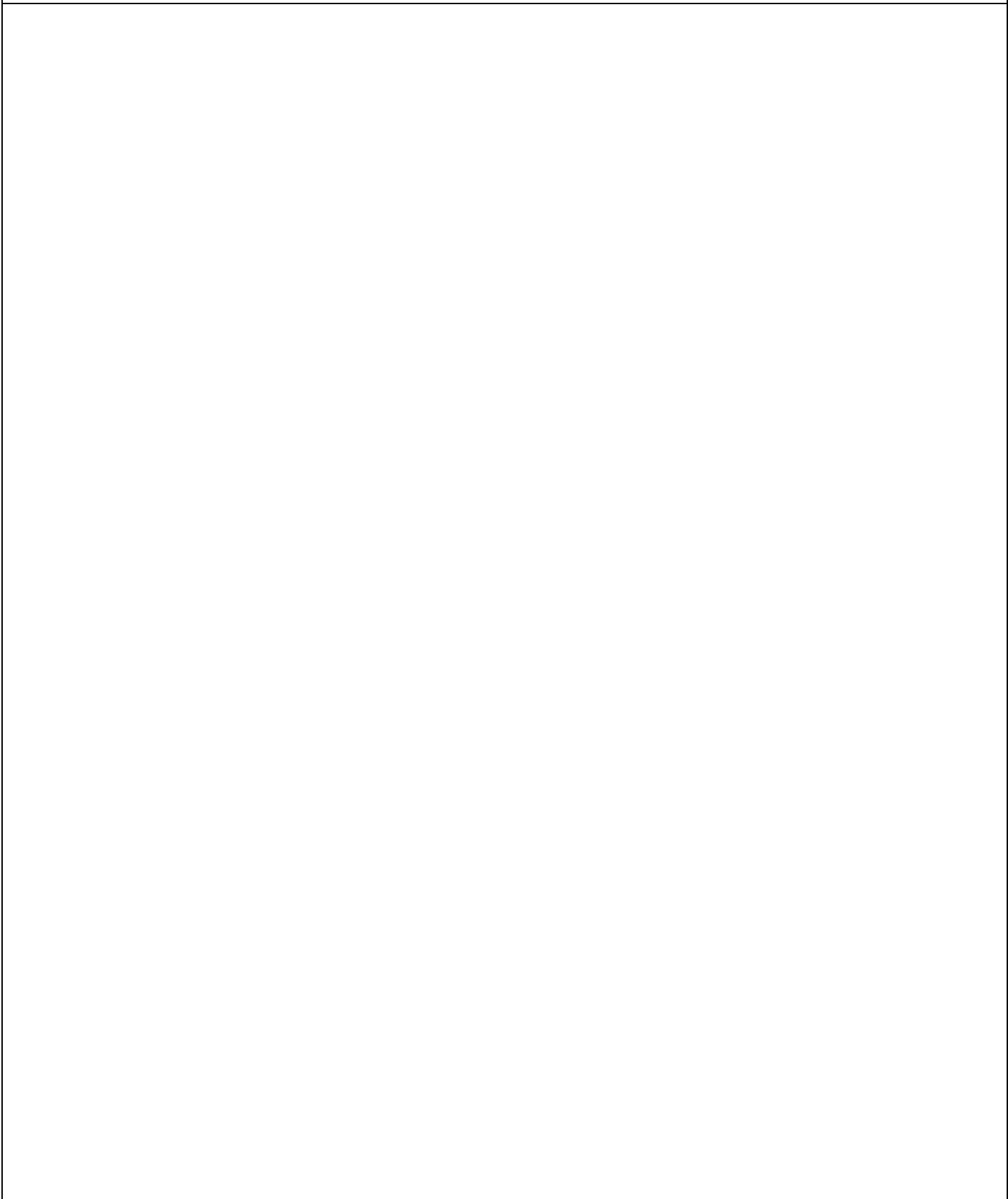
JSEA / SWMS prepared for excavation/trenching activity Y mandatory

Minimum **300mm** separation distance to be maintained between any live buried service and mechanical digging components such as buckets, augers or similar attachments.
Note: A greater separation distance and additional controls may be prescribed by asset owners (e.g. APA, Energex / Ergon Energy) when issuing DBYD plans or approving work near their high risk assets. Y N/A

Spotter to be used at all times during mechanical excavation in brownfield areas. Y N/A

2.6 Excavation diagram

Sketch of the planned excavation to include details of area to be excavated, identified services, positive identification zone, potholing zone and any additional precautions for high risk sites, set-back distance for heavy loads etc.
This diagram should be updated to include any previously unidentified services discovered during the excavation work.



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Section 3 – Verification of risk controls (Permit Recipient to complete)

I confirm that actions and risk controls required in Section 2 have been implemented for the work to be undertaken as described in Section 1.

Workers involved in this work have been advised of, and understand, the requirements and risks of this work.

Note: This permit is activated at the time that the Permit Recipient completes and signs below and is valid for the period of work defined in Section 1.

Permit recipient name		Signature	
Date		Time	

Section 4 – Completion of work (Permit Recipient to complete)

I confirm that the work defined in this permit has been completed in accordance with the requirements of this permit.

All spoil, plant, tools and equipment have been removed from the work area and the work area has been left in a safe condition.

Appropriate sediment management controls are in place to manage sediment release from any soil disturbance associated with the work defined in this permit.

Permit recipient name		Signature	
Date		Time	

Notes

- **Brownfield Sites** are defined as land currently or previously used for industrial purposes or some commercial uses. It includes any land that is not a greenfield site. Brownfield sites have greater risks of the presence of underground services or contaminated soils. Where there is uncertainty regarding the classification of a worksite, the area should be treated as a brownfield site.
- **Greenfield Sites** are defined as undeveloped land in a city or rural area either used for agriculture, landscape designs, or left to evolve naturally and which is free of underground services or contaminated soils.
- **Mechanical excavation** includes excavation/digging undertaken using powered plant such as excavators, backhoes, direction drilling equipment, augers or similar attachments. Mechanical excavation does not include the use on non-destructive methods such as vacuum excavation.
- **Poor Ground Conditions** are defined as ground conditions where there is an increased risk of collapse due to previously dug soil, the existence of filled land, presence of groundwater or sand. Advice from a RPEQ engineer should be sought where poor ground conditions warrant specialist advice to assess ground stability and determine safe work methods.

Underground service marking colour requirements:

Service	Tape colour	Service	Tape colour	Service	Tape colour
Gas	Yellow	Fire-fighting	Red	Reclaimed Water	Purple
Water	Green	Sewerage	Cream	Electricity	Orange
Communications	White				