

Guidance for Joint Bay Excavation

Please ensure the following are provided on the day of commissioning (energisation); -

1. The signing lighting and guarding of the joint bay/trench excavation **must comply** with the new road and street works act.
2. The joint bay is of adequate size and **all cables/ducts must be exposed**. The depth of the joint bay **must be 300mm deeper** than the deepest cable/duct.
3. All excavated spoil **must be** removed from the side of the joint bay. Code of Practice 410 chapter 3 section 5.7
4. To comply with Code of Practice 606 section G12 5.6.1 **you must** provide sufficient quantity of bedding and blinding material (Electricity Specification ES400) to bed and blind the new cables and joints to be energisation on the day of commissioning.
5. Provide safe access/egress in and out of the joint bay.
6. **All excavation's MUST be completed prior to the planned energisation date.**

Failure to provide any of the above will lead to the cancelation of the energisation and aborted visit charges will be charged.

Unacceptable Joint Holes



- × Insufficient width for the HV Joint(s) and the Joiner to work safely.
- × All existing cables have not been sufficiently exposed,
- × 300mm below the cables has not been excavated to allow them to be positively identified by signal injection.
- × No safe means of access and egress.
- × Joint hole not shored.
- × No suitable signage and barriers around joint hole or on the approach to the joint hole.



- × Existing Live HV cables have been forced up and supported with sand bags, as opposed to excavating under the cables this is an extremely dangerous practise which could result in death or serious injury.
- × Insufficient width for the joint(s) and the joiner to work safely.
- × No safe means of access and egress.
- × No suitable signage and barriers around joint hole or on the approach to the joint hole.

Acceptable Joint Hole



- ✓ Sufficient width for the Joint(s) and the Joiner to work safely.
- ✓ Safe means access and egress.
- ✓ All cables exposed
- ✓ Sufficient excavation under the existing HV Cables to positively identify them by signal injection.
- ✓ The cables which are supported with sandbags, NOT lifted from their existing level.
- ✓ Suitable signage and barriers around joint hole and on the approach to the joint hole.
- ✓ Joint hole shored up.