

Guidelines for Site Markings used by Distribution Line Designers



PURPOSE AND SCOPE

This document sets out guidelines, to enable Designers, Liaison Persons, External Contractors and Construction Crews to clearly identify the type of asset or action to be completed at a marked location, through a standard colour convention for pegs, finder stakes, tape and paint.

RESPONSIBILITIES

Manager Lines Design & Engineering is the Process Owner responsible for approving this Reference document.

Design Services Manager is responsible for maintaining this Reference document.

Design Services Manager is the Subject Matter Expert (SME) for the content in this Reference document.

DEFINITIONS, ABBREVIATIONS AND ACRONYMS

Nil.

REFERENCES

EQL Work Category Specification - WCS1.5 Land Management X011

BACKGROUND

There have been issues identified with the placement of pegs by Distribution Line Designers.

1. Finder stakes placed beside a dumpy peg become a safety issue in urban areas, as they are knee high to pedestrians, and are not noticed by the public.
2. With the use of external contractors and the sharing of construction resources across Regions for construction work, there is a requirement to have a standard colour convention and a standard size for pegs throughout Energy Queensland. This will alleviate the problem of assets being installed incorrectly.
3. Dumpy pegs not driven flush with the ground line are a hazard to pedestrians.
4. Standardising the use of marking tape and paint in association with finder stakes.

Standard Terminology for Site Markings

- **Dumpy peg** – peg used to identify exact location for asset installation.
- **Finder Stake** – placed within 150mm of dumpy peg for ease of location or back sighting.
- **Offset Finder Stake** – placed a safe distance from the dumpy peg, to reduce risk to pedestrian traffic or possibility of peg being disturbed. The offset distance to be identified on finder stake.
- **Star Picket** – used in rural areas at critical points.
- **Marking/Flagging Tape** – used to highlight particular items.
- **Paint** – used to highlight particular items where tape may not be practical.

Colour Convention and Identification for Pegs, Tape and Paint

- **Pole position pegs (Dumpy)** – Red
- **Ground stay position pegs (Dumpy)** – Blue
- Finder stakes to be the same colour as the dumpy peg

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- Marking/Flagging Tape or Paint to be the same colour as the finder stake and hence dumpy peg
- **Pegs placed to identify centre line (Dumpy) - Yellow**
- **Offset finder stake – Yellow**

Colour	Dumpy Peg size	Stock Code	Finder Stake size	Stock code	Finder Stake Size	Stock Code
RED	200x50x38	000455204	1000x25x25	02407108	450x50x25	02407104
BLUE	200x50x38	002403432	1000x25x25	02407106	450x50x25	02407103
YELLOW	200x50x38	002402450	1000x25x25	02407102	450x50x25	02407105
BLACK			Star Picket	000455506		

* All Marking/Flagging tape and Paint will be purchased from local suppliers

Safety Issue

Dumpy pegs placed in areas of pedestrian traffic are to be hammered flush with the ground line, use offset finder stake on property boundary if required for location purpose.

Use of Yellow Pegs

When used as offsets for a blue or red dumpy peg, the yellow finder stakes are to be marked 'OS' and with the distance to the pole position. These pegs may also be used as an offset to show the extents of the clearing profile.

When used to mark centre lines (i.e a yellow dumpy and a yellow finder stake), they are to be marked 'CL'.

