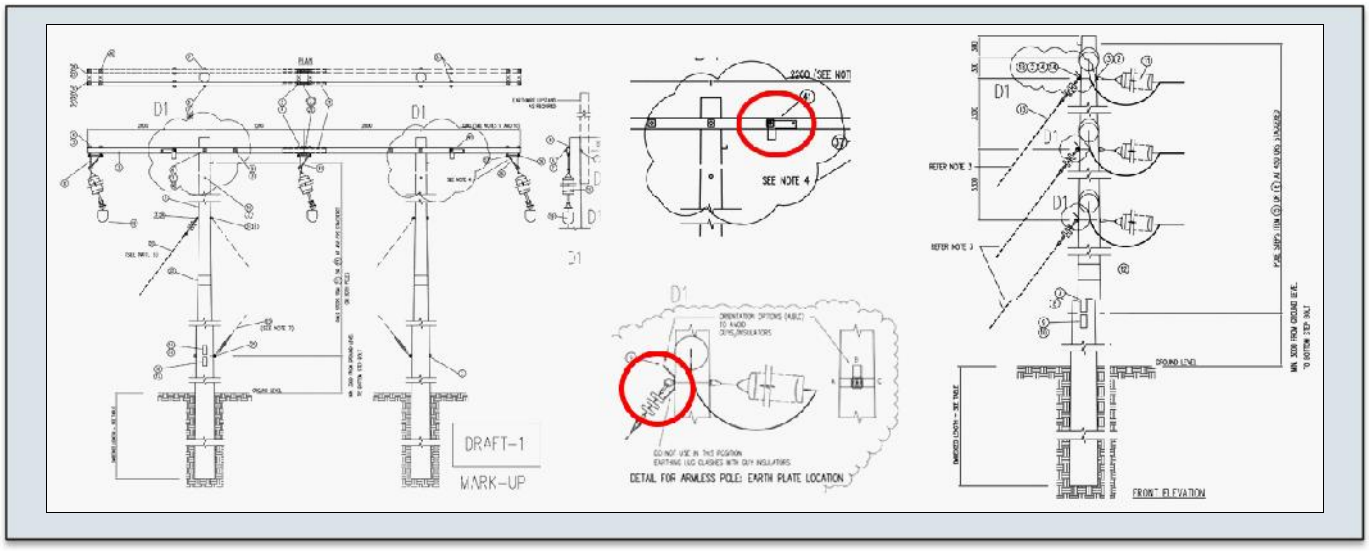
TRANSPOWER

SAFETY START

SAFETY THANKS AND RECOGNITION

18 October 2016

New Earthing Plates for Concrete Poles (Type 10 & 15)



Description

- The new permanent, dedicated earthing plates will allow for standard 3 phase earthing/bonding on these structures. The plates provide positive contact to the integral earth of the pole.
- Without these dedicated plates SPs had to develop their own temporary system, this approach lacked national consistency. The earthing plates are a very good safety initiative for these pole types.
- The plates have been designed to comply with the concrete pole electrical testing carried out by TP.
- These plates have been promoted and discussed at Mike Taylor's recent national Earthing and Bonding presentations.

Outcome

- Standard pole structure drawings have been completed and are in final draft. Type 10 drawing number is TE38434 & TF25438, Shop details drawing is TP105718. Type 15 drawing number is TE38436, shop details drawing is TP106230.
- Service providers are to supply these plates and install on existing poles when working on them and new poles when installed.
- The mating faces of all earthing connections are to be cleaned to a bright finish with a Scotch-Brite pad or similar so they are free of oxides and contaminants. For galvanised steel to galvanised steel connections 90 % zinc rich paint shall be applied as a jointing compound between the galvanised mating faces as per TP.SS 02.12, Appendix E. For connections with stainless steel (crossarm earthing plates and pole ferrules) the jointing compound shall be EP Uni-Seal or equivalent. Bolts are to be tightened to correct Torques.
- Transpower is reviewing our suite of standard drawings, once the drawings are approved, these plates will be procured and issued by the warehouse as part of the material request for both pole types.

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