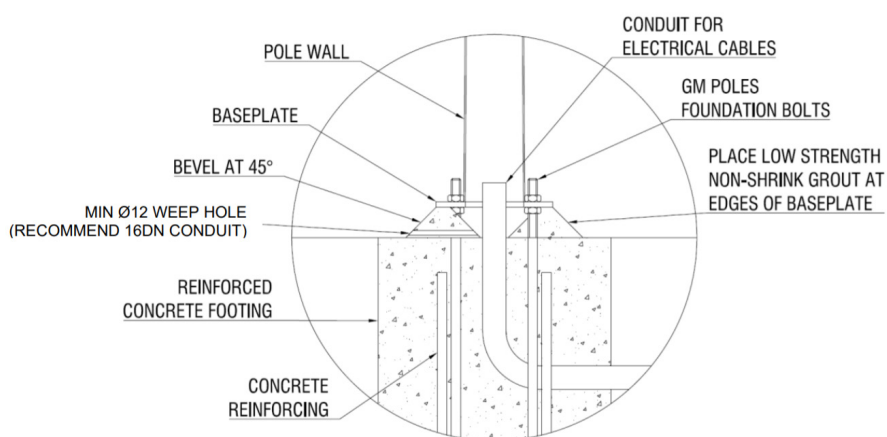


The underside of all pole baseplates shall be grouted within seven (7) days of installing the pole. Grout thickness from the bottom of the baseplate to the top of the footing concrete should be Min. 25mm, Max 80mm.

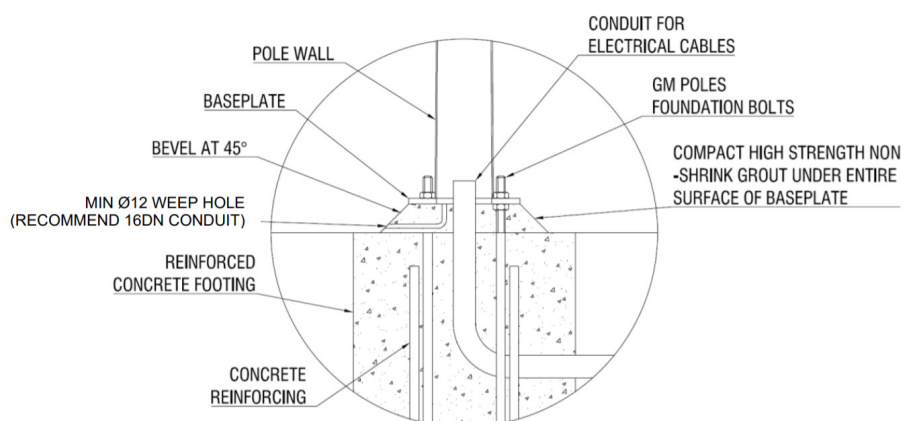
Grouting the underside of pole baseplates serves the following functions:

- For poles over 6.0m, grouting plays a significant part in the structural capacity of the pole and foundation bolts in resisting high wind forces;
- Preventing injury to persons through electrocution caused by handling or tampering with exposed cables;
- Preventing damage to electrical cables by vermin.

Generally, poles with a mounting height of 6.0m or less do not require grouting for structural purposes and the following procedure is sufficient. If in doubt please contact GM Poles. Low strength non-shrink grout should be placed flush with the underside of the baseplate and taper away from the pole at approximately 45deg.



For most poles over 6.0m, grouting is required for structural purposes and the following procedure shall be adhered to. Failure to follow this procedure could void structural certification and pole manufacturers warranty and ultimately cause premature failure of the structure. Non-shrink grout with a minimum strength of 32MPa at 28 days is to be installed as shown.



Should an electrically insulating grout be required by the designer, the non-shrink grouts noted above can be substituted with an epoxy type that has a minimum compressive strength of 32MPa to be installed as per GM Poles instructions above. The project requirements for grout electrical insulating properties or conductivity and their assessment shall be the responsibility of others.



Weep hole



Baseplate, grout & weep hole are above ground line



Consequences of buried baseplates *

- Weep hole (if present) is likely to be blocked.
- Base of pole and foundation bolts in constant contact with moisture promotes corrosion.
- Pole may fail prematurely.



Not grouting the baseplate may result in:

- Not achieving structural capacity
- Injury to persons through electrocution
- Damage to electrical cable by vermin



*Note: in rare circumstances pole bases are intentionally buried (eg. pedestrian malls etc). The designer will need to ensure this is approved by the relevant electrical utility. Burial is not recommended by GM Poles.