



NOTES:

- 1 Hot mix asphalt type and thickness as specified. The surface course shall not be less than 40mm.
 - 2 Dowels shall be installed at 300mm intervals along all transverse faces. The dowel bars shall be placed mid-depth of the specified slab thickness and parallel to the longitudinal axis and the horizontal plane of the pavement within the following tolerances:
 - a) Vertical Alignment: $\pm 15\text{mm}$ along the length of the dowel bar.
 - b) Horizontal Alignment: $\pm 15\text{mm}$ along the length of the dowel bar.
 - c) Side Shift: The centre of the dowel bar shall lie within $\pm 40\text{mm}$ from the transverse joint.
 Tie bars shall be installed at 600mm intervals along all longitudinal faces and shall be aligned perpendicular to the longitudinal axis of the pavement. The tie bars shall be installed within a tolerance of $\pm 15\text{mm}$ from the specified depth. Where reinforcement is present, dowel and tie bars may be adjusted 25mm horizontally and raised or lowered 10mm to avoid drilling reinforcement. All dowels and tie bars shall be set with epoxy grout.
 - 3 If the total pavement thickness is less than 80mm, step joint is not required.
 - 4 Joint treatment as specified.
- A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

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**PAVEMENT REINSTATEMENT
FOR UTILITY CUTS**



OPSD 509.010