**DETAIL NOTES**

No steps are required when the height is 4 feet or less.

The bottom of the pre-cast catch basin may be sloped to facilitate cleaning.

Knockouts shall have a wall thickness of 2" minimum to 2.5" maximum. Provide a 1.5" minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification 9-04.3.

The rectangular frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section (see Standard Detail 722).

All pick holes and joints shall be grouted, inside and out, after the basin has been placed.