



# Standard Drawing Report

**Date:** January 25, 2022

**Technical Owner:** Civil – John Wilson, PE

**Standard Drawing No.** P-507      **Calculation Book No.** n/a

**Drawing Title:** Maintenance Hole Frame Adjustment

x



Expires 06/30/2022

**Background Information, Including Reference Material:**

The drawing is based on Oregon Department of Transportation’s Standard Drawing RD360.

Changes made of RD360 were the removal of method “C” adjustment and some changes to the general notes for all details.

**Assumption Made:**

No major assumptions have been made.

**Design Narrative:**

Method “C,” as shown on RD360 is not acceptable due to increased failures attributable to inadequate compaction of full depth asphalt pavement around the manhole frame. However there has not been a problem with compacting a 2-inch lift of asphalt pavement and hence method “A” adjustment was retained.

4000 psi concrete is specified for historical performance, continuity, and consistency with similar work. The compressive strength of the concrete should be 3,000 psi prior to traffic loading.

**Update:** March 10, 2021

The drawing was updated to use gender-inclusive language and align with 2020 Standard Construction Specifications.