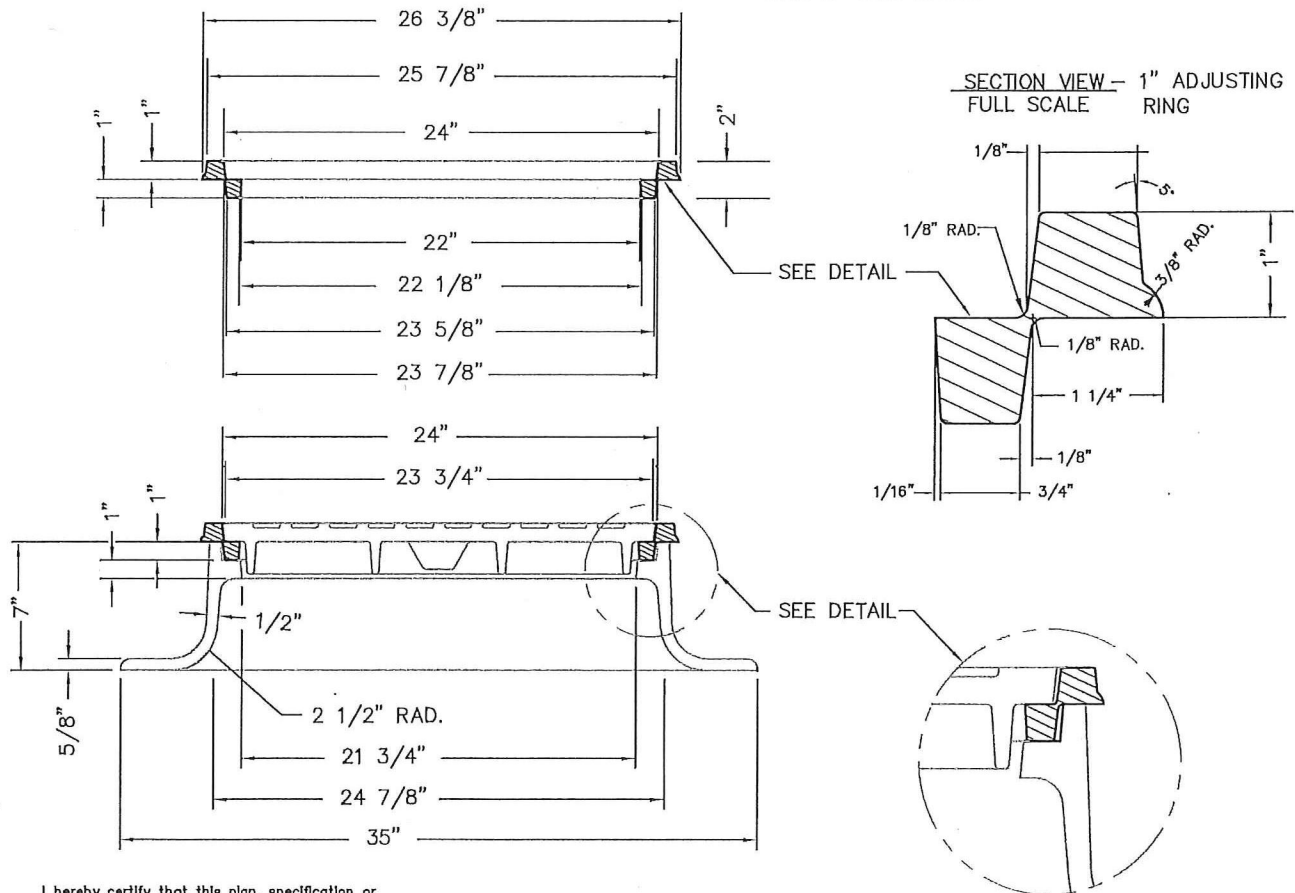


NOTES:

1. ADJUSTING RINGS ONLY ALLOWED TO BE USED IN BITUMINOUS OVERLAY PROJECTS OR IN NON-TRAFFIC AREAS.
2. ADJUSTING RINGS NOT TO BE USED IF MANHOLE NEEDS REPAIRS.
3. ADJUSTING RINGS NOT APPROVED IN STREET RECONSTRUCTION PROJECTS.
4. GRAY IRON CASTINGS SHALL BE SUPPLIED BY FOUNDRIES THAT HAVE BEEN APPROVED BY THE STATE MATERIALS ENGINEER.
5. CASTING SHALL BE CONSTRUCTED OF UNPAINTED GRAY CAST IRON MEETING ASTM A-48, CLASS 35B OR BETTER AND SHALL CONFORM TO AASHTO DESIGNATION M306-89 AND MnDOT SPECIFICATION 3321.
6. THE MANUFACTURERS NAME SHALL BE CAST ON AN EXPOSED SURFACE OF THE CASTING.
7. ALL BEARING SURFACES SHALL BE MACHINED TO A TRUE SURFACE.
8. 1" ADAPTOR RING SHALL BE NEENAH FOUNDRY CO. NF-14227100 OR APPROVED EQUAL.

1" ADJUSTING RING INSERTED INTO R-1678 FRAME



I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

Clayton D. Hans
SEWER DESIGN ENGINEER

Date 8/24/2017 Lic. No. 26424

ADJUSTING RING SHOWN WITH R-1678 FRAME AND LID

APPROVED 9/22/2017
Paul A. Kurtz
CITY ENGINEER

CITY OF ST. PAUL
DEPARTMENT OF PUBLIC WORKS

1" MH ADJUSTMENT RING

Date of Revision
AUG 2017

Standard Plate No.
2213