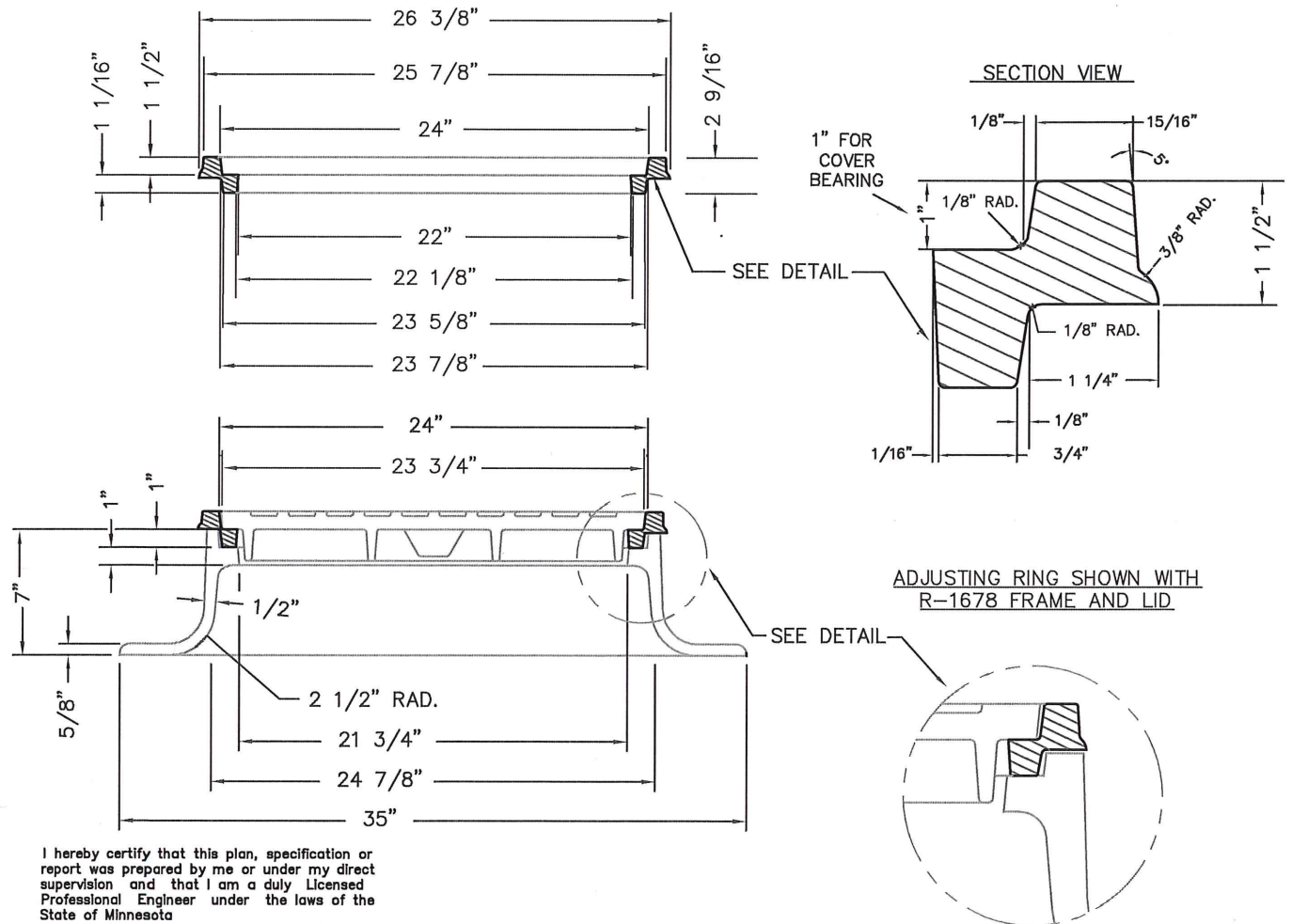


**NOTES:**

1. ADJUSTING RINGS ONLY APPROVED FOR USE 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 1/2" ADAPTOR RING SHALL BE NEENAH FOUNDRY CO. NF-0000034 OR APPROVED EQUAL.

1 1/2" 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

*Aaron D. Hass*  
AARON D. HASS

Date 2/22/2018 Lic. No. 26424

APPROVED 2-23-2018  
*Tault A. Jurtz*  
CITY ENGINEER

CITY OF ST. PAUL  
DEPARTMENT OF PUBLIC WORKS  
1 1/2" MH ADJUSTMENT RING

Date of Revision  
FEB 2018

Standard Plate No.  
2214A