

Simple, Safe, Fast, Accurate Manhole & Precast Concrete Adjustment-to-Grade

UNDERGROUND CONSTRUCTION TECHNOLOGY
THE UNDERGROUND UTILITIES EVENT | February 7-9, 2023 | Orlando, FL



LEARNING OBJECTIVES

- **Challenges with traditional methods**
- **Benefits of Bolt Grade Adjustment**
- **Case Studies/Example Projects**



Traditional Installation: Excavators or Pry Bars



Accuracy



Accuracy



Shim Materials and Grout



Quality of Finished Pavement



Time Sensitive

“Achieving a high degree of accuracy setting manholes and matching the surrounding grades using traditional methods can be difficult, and often involves multiple people, more time and more safety risk,”

*JOHN HICKEY | Executive Director
Asphalt Pavement Association of Oregon*



Safety



Safety

If it takes more than one person to do the installation, along with heavy equipment, and tools like pry bars, the chances of an accident go up. Workers get hit or caught in heavy equipment all the time. Workers also have accidents with tools like pry bars frequently

*Beth Stinson, Vice President for
Education Operations
American Road & Transportation
Builders Association*



Bolt Grade Adjustment Systems



Department of Transportation
Construction Services
800 Airport Road SE
Salem, OR 97301-4798
Phone: (503) 986-3000
Fax: (503) 986-3096

October 8, 2020

RimRiser
Attn: Dwane Paulsen
315 N Grand Blvd, Suite 100
Vancouver, WA 98661

ODOT #5289

RE: Product: RimRiser (#RR-002 Jack Nut & #RR-0034-5 Screw)
Category: Bolt Grade Adjustment System; 00470.42

Your product was submitted for review to the Product Evaluation Group of the Oregon Department of Transportation (ODOT) with the following conclusions:

In reviewing your product, we have determined that it is suitable for the use listed.

We are adding your product to our Qualified Products List (QPL) for the category listed. It will appear on the next edition of the QPL in January or July each year.

This product approval is based on the submittal made at this time. Changes or modifications to the product, however minor, nullify this approval. You are expected to furnish the product for use on each project with the same features and options as included in our review.

We will keep your information on file for future review. Please keep us advised on any changes regarding this product so that we may keep our records current.

If you have any questions, please call me at the Materials Laboratory: 503-986-3059.

Sincerely,

Dean Chess
Product Evaluation Coordinator

cc: ODOT David Polly
ODOT Will Woods



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800 Airport Road SE
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October 8, 2020

D&L Foundry
Attn: Steve Hatt
13000 Rd 3 NE
Moses Lake, WA 98837

ODOT #5291

RE: Product: D&L Foundry A-2111-RR1
Category: Manhole Riser Rings; (00470.00)

Your product was submitted for review to the Product Evaluation Group of the Oregon Department of Transportation (ODOT) with the following conclusions:

In reviewing your product, we have determined that it is suitable for the use listed.

We are adding your product to our Qualified Products List (QPL) for the category listed. It will appear on the next edition of the QPL in January or July each year.

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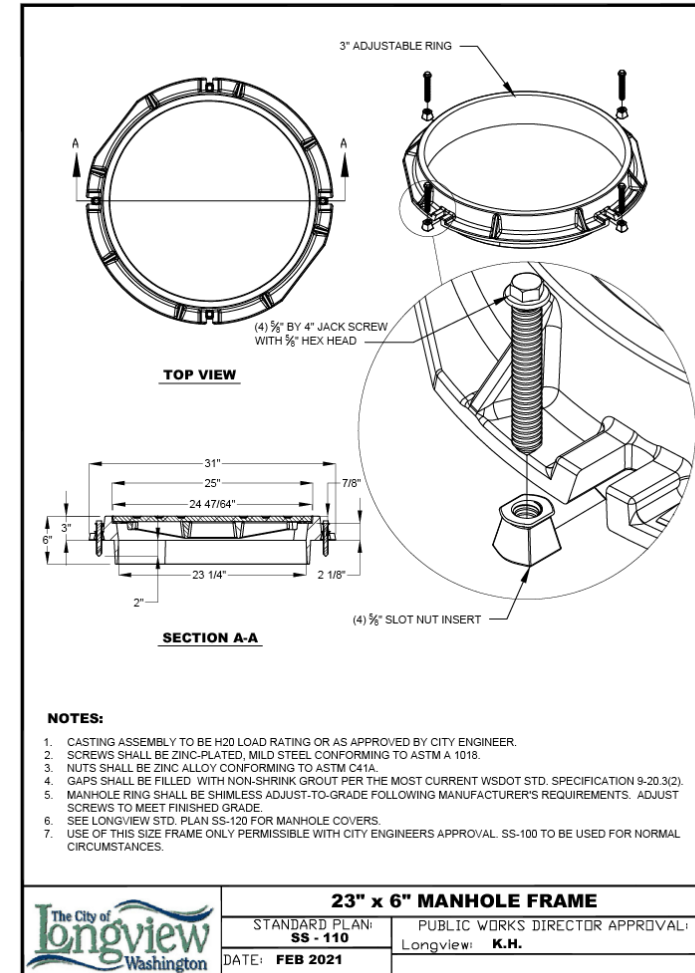
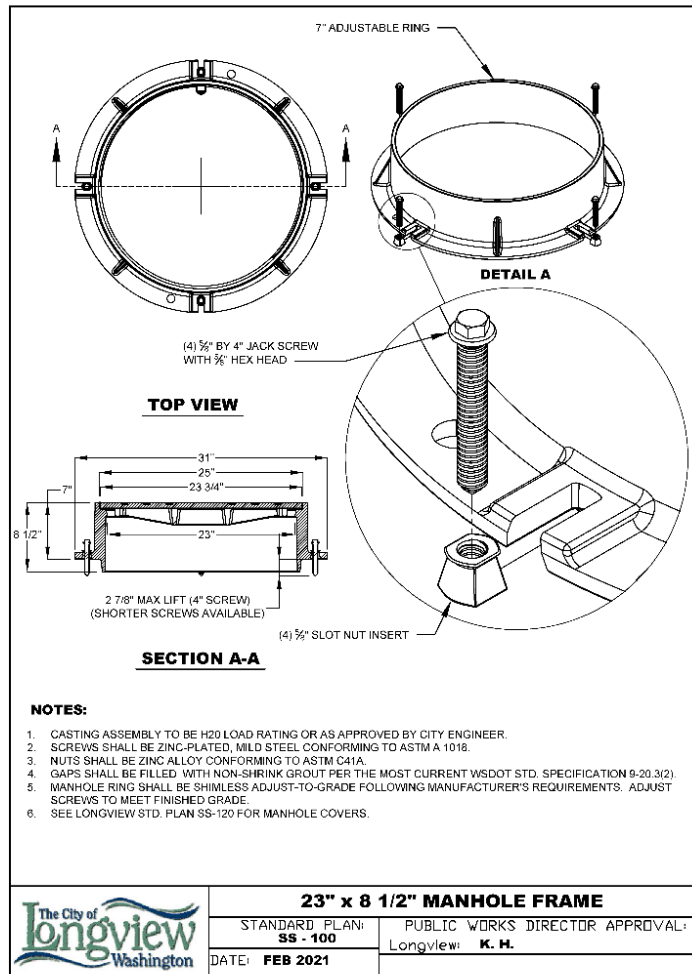
Sincerely,

Dean Chess
Product Evaluation Coordinator

cc: ODOT David Polly
ODOT Will Woods



Bolt Grade Adjustment Systems



Bolt Grade Adjustment Systems-Accuracy



Bolt Grade Adjustment Systems –Shims and grout



Bolt Grade Adjustment Systems–Adjustment Time



Bolt Grade Adjustment Systems –Adjustment Time

Video can be viewed at: <https://youtu.be/u1E93Q6FuxY>



Bolt Grade Adjustment Systems – Safety



Bolt Grade Adjustment Systems – Safety



Bolt Grade Adjustment Systems –Adjustment Time

Video can be viewed at: <https://youtu.be/5aJk0wSdo3E>



Bolt Grade Adjustment Systems – Safety

“As far as safety enhancement, there is an advantage to having the built-in adjustment bolts. The bolts support the tops which helps to eliminate smashed/ pinched fingers, no lifting with pry bars to place shims and no overhead safety hazards from machines and slings.”

Richard Harris

Drainage Crew Chief

Clark County Public Works

Case Studies – City of Vancouver



Case Studies – ITD I84 West Nampa, ID



Questions?

Matt Stiller

RimRiser

matt.stiller@rimriser.com

