



REQUEST FOR INFORMATION (RFI)

RFI No.: 4 **RFI Date:** 10/25/2016

MSA Job No.: 15-1699 **Owner Job No.:** 702163

Project Name: Newberg Villa Road Improvements, Haworth to Crestview, Phase 1 Culvert Replacements

Owner: City of Newberg

Contractor: Emery & Sons

Subject: Clarification Regarding Handrail

Spec Sections/Drawing Nos.: C-7 & C-8

Information Request:

The following RFI is in response to the on site meeting that took place on Monday, October 25th 2016, and the questions raised regarding the railing to be installed.

First, it is to be noted that due to each block having a different slope on the northeast side of Culvert B, the base plate for the straight railing may not have full bearing all the way around.

Second, the southwest side of Culvert B, having the same conditions mentioned above, and the blocks parallel with the road are 7- 1/2 to 7-3/4 inches higher than the legs. This means that if the rail on the road side is installed at 34" the rail on the wing walls would be 42" high. Additionally it is noted the rail is to be sleeved together, meaning the height of the rail would be uniform throughout. If the rail is installed at the same height there will be a 7"+ larger gap between the bottom of the last run of the rail and the top of the wing walls.

Potential Cost Impact? YES ☐ NO ☐ UNKNOWN ☒

Potential Schedule Impact? YES ☐ NO ☐ UNKNOWN ☒

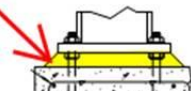
Date Reply Requested By: 11/01/2016

Requested By: Brandon Zaikoski **Date:** 10/25/2015

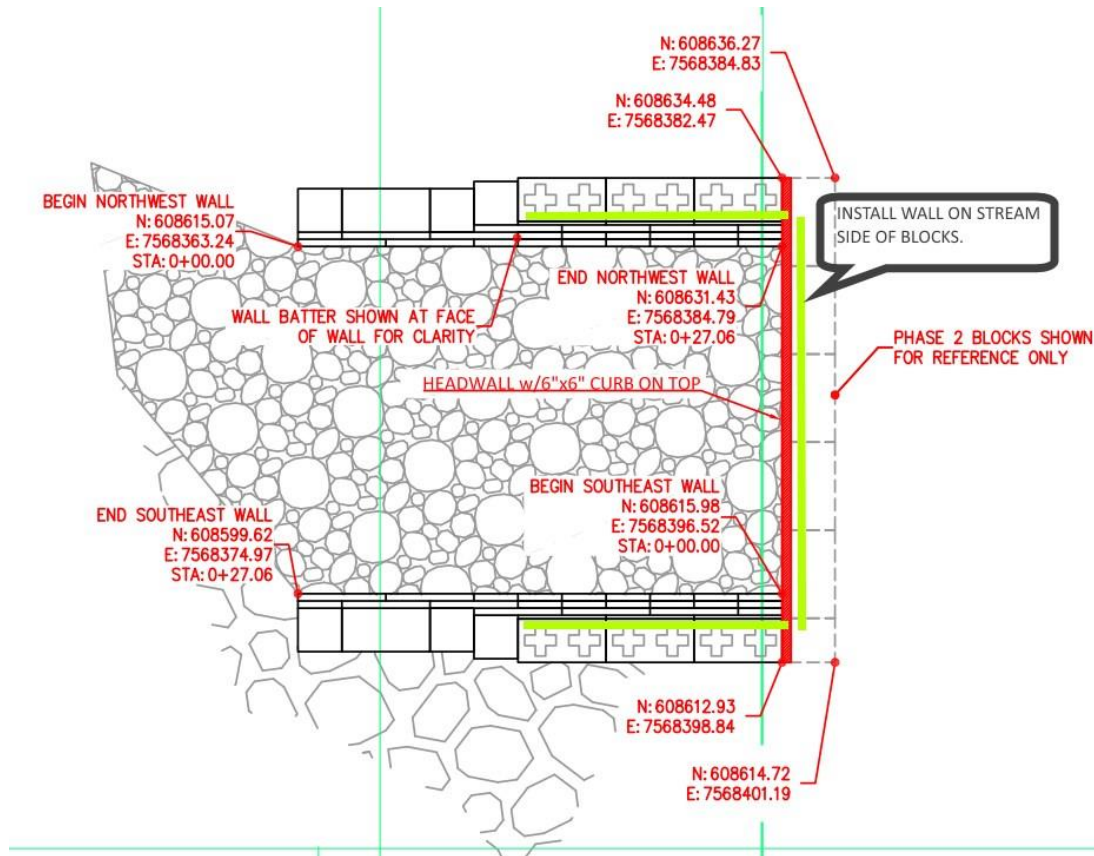
Response:

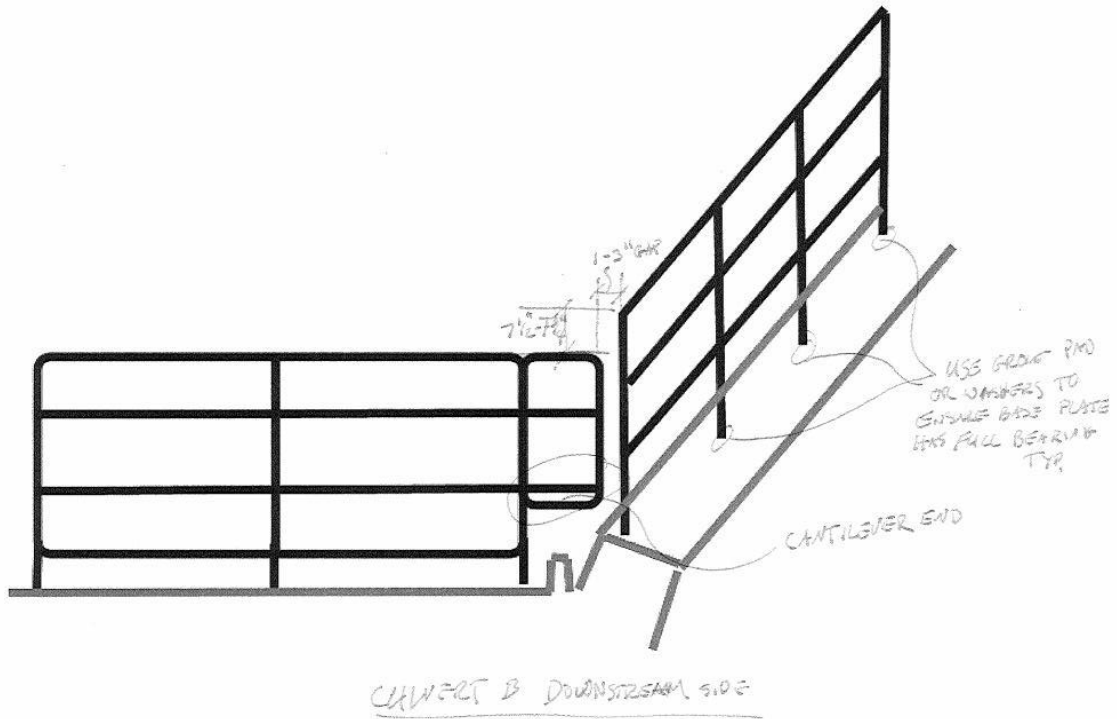
- 1) In response to the first question regarding each block having different slopes, please provide a grout leveling pad (see image for concept), or level the base plate with washers. If using washers, use same type of metal for the washers to prevent corrosion.

GROUT LEVELLING



- 2) To resolve the issue regarding the elevations of the wall on the downstream side of culvert B, the hand rails may be treated as three separate sections independently, and the design of those rails shall meet the specifications of the project. The legs of the block wall railing shall cantilever to extend over the gap at the angle point where the sections will meet. Leave a gap less than 3" at the location where the sections meet. The railing is to be installed on the stream side of the blocks. See image below for more detail. These sketches are not to scale and are for conceptual purposes only.





Response By: Jason Wuertz **Date:** 10/27/2016

cc: _____
