

July 29, 2025

Earth Inc.
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**RE: Casing Installation - Rejection of Work
WisDOT I39 Casing (24") for 8" DR-11 Force Main Pipe
Lift Station #8 Project
Kronenwetter Contract C (2023-020E)**

Dear Dan:

We have received your information confirming the installation of the 24" casing pipe below I39 being installed (west end) on a different vertical alignment that per the construction plans. Information, including a survey from a registered professional land surveyor, confirms the line was installed beyond acceptable tolerances.

While the horizontal location is acceptable, the vertical alignment of the casing pipe brought the west end higher than the required elevation by about 3 feet. As such, we evaluated whether or not the casing could be kept as-installed. Unfortunately, there are just no scenarios that benefit the Village in any way. The following summarizes our review of those options:

1. The high point appears to be just over 3' higher than planned and we can't get that out of either direction even if we leave it flat from the 1st air relief manhole.
2. The elevation of the west end requires a 2nd air release manhole. Although this could be designed and installed, a 2nd air release is undesirable and presents another maintenance item that would otherwise not be necessary.
3. Siting a 2nd air release manhole would be problematic with limited access from Kowalski on steep slopes and very difficult to get any kind of equipment to it.
4. The high point leaves us really shallow there; there is some concern over depth of the forcemain. We can't extend the casing or FM on this grade line to get to a better site without a low point and being very shallow in the area of the existing ditch.
5. An easement from the adjoining landowner would involve a gravel driveway of some length assuming they grant the easement in the first place. We haven't investigated this option but on the surface would be a couple of unlikely scenarios.

6. We can't slide the 1st air relief manhole over to east because the installed low point per plan is too low now that we have this situation.

For the reasons as described above, this the installation of the entire 24" metal casing is rejected as defective or non-conforming work. That is, you as the General Contractor will correct this deficiency at your cost. The item cannot be paid out until an acceptable installation is completed and tested.

Going forward, we have confirmed with you that the existing metal casing can be abandoned in-place. Please provide in writing or specification the details of this abandonment for our records. You have also indicated that siting a new HDPE casing approximately 10 feet from the location of the metal casing is approvable to WisDOT and that the installation would not be a detrimental impact to the either pipe or the WisDOT freeway. I have contacted Vermeer Corporation and confirmed the 10' separation requirement.

In reviewing the alternatives we have prepared a map showing the location of a 2nd casing line to append the construction plans. Please review and let us know of any questions. Also, please provide any WisDOT approval records. One particular note we have is to take care at the west end to stay within the area slated for construction and to watch the culverts in that area.

Please contact me with any questions.

Respectfully Submitted,

ROTH PROFESSIONAL SOLUTIONS



Robert J. Roth, PE
Project Engineer

Attachments: Modified Plan Sheet

cc: Greg Ulman, Kronenwetter Director of Public Works

