

Elmira Shayesteh

From: Jed Friesen
Sent: Thursday, November 19, 2015 11:59 AM
To: Elmira Shayesteh
Subject: FW: MH Vacuum Testing RFI #8

JED FRIESEN, *President*
604-312-3220

PREDLsystems | 7520 Conrad St | Burnaby, BC V5A 2H7
C 604.312.3220 | T 604.415.9944 | **1.855.773.3562**
www.predlsystems.com



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From: SRiley@bellevuewa.gov [mailto:SRiley@bellevuewa.gov]
Sent: Tuesday, November 17, 2015 1:30 PM
To: Jeff.Schmidt@mwhglobal.com; Jay.D.Cooke@mwhglobal.com
Cc: JHummel@bellevuewa.gov; TZwaller@bellevuewa.gov; Daniel.R.Breg@mwhglobal.com; Jed Friesen
Subject: RE: MH Vacuum Testing RFI #8

Thanks Jeff. As I am the go between here, to get this resolved, I think it will need to be addressed as an item of discussion for Friday's meeting. SR

From: Jeffrey Schmidt [mailto:Jeff.Schmidt@mwhglobal.com]
Sent: Tuesday, November 17, 2015 11:32 AM
To: Riley, Shawn <SRiley@bellevuewa.gov>; John Cooke <Jay.D.Cooke@mwhglobal.com>
Cc: Hummel, Jay <JHummel@bellevuewa.gov>; Zwaller, Tom <TZwaller@bellevuewa.gov>; Daniel Breg <Daniel.R.Breg@mwhglobal.com>; Jed Friesen (jed.friesen@predlsystems.com) (jed.friesen@predlsystems.com) <jed.friesen@predlsystems.com>
Subject: MH Vacuum Testing RFI #8

Hi Shawn –

I spoke with Predl about this and one of our senior MH / Pipe guys to clarify the issue somewhat. Here's the short summary.

- 1) Predl recommends C 1244 Standard Vacuum test procedure as this is industry standard approach. Note that this standard is entitled "Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure

(Vacuum) Test **Prior to Backfill**". Shoreline should have been testing prior to backfill to conform to this test method and our specs.

- 2) The NPCA document provided as Attachment A does not necessarily state you cannot do a vacuum test if groundwater is present. What it states is that a calculation needs to be completed to account for groundwater and soil conditions which may reduce the required vacuum pressure to confirm the test. We don't want to subject the MH to the full required test vacuum if the structure is already being stressed by external forces. I think Shoreline needs to provide calculations, stamped by a licensed PE, that demonstrate the appropriate vacuum test for each MH.
- 3) I don't know how the water / hydrostatic test would work. If we have high groundwater outside the manhole, then the internal water would just counteract this and I'm not sure how Shoreline would confirm we had a tight structure. The website provided by Shoreline in their RFI (www.amwater.com) does not seem to show a hydrostatic test method – so I'm not sure what they're proposing.

In summary – I think shoreline should be doing testing prior to backfill. If not already performed, then they should calculate out how these additional forces will impact the vacuum testing and perform accordingly.

Hope that helps Shawn – let's discuss if you have further questions.

Thanks,

Jeff

From: SRiley@bellevuewa.gov [<mailto:SRiley@bellevuewa.gov>]
Sent: Monday, November 16, 2015 1:46 PM
To: John Cooke; Jeffrey Schmidt
Cc: JHummel@bellevuewa.gov; TZwaller@bellevuewa.gov
Subject: FW:

All, I am sending this again to make sure all have seen it. Doug said that Pedl sent this to him and he forwarded it to me. Doug explained that Pedl says that vacuum testing may cause damage. I told Doug that if this is not resolved this week we will discuss and come to a resolution this Friday at the meeting with Predl. SR

From: Doug Suzuki [<mailto:dsuzuki@sccwa.net>]
Sent: Friday, November 13, 2015 11:03 AM
To: Riley, Shawn <SRiley@bellevuewa.gov>
Cc: Jay Brown <Jay@sccwa.net>; alec_andry@hotmail.com
Subject:

Shawn,

The attached is addendum to RFI #8 for the hydrostatic testing

Doug Suzuki
Shoreline Construction Co.
PO Box 358
Woodinville, WA 98072
Office: 425.483.0600
Fax: 360.668.5133
Cell: 206.571.3571