

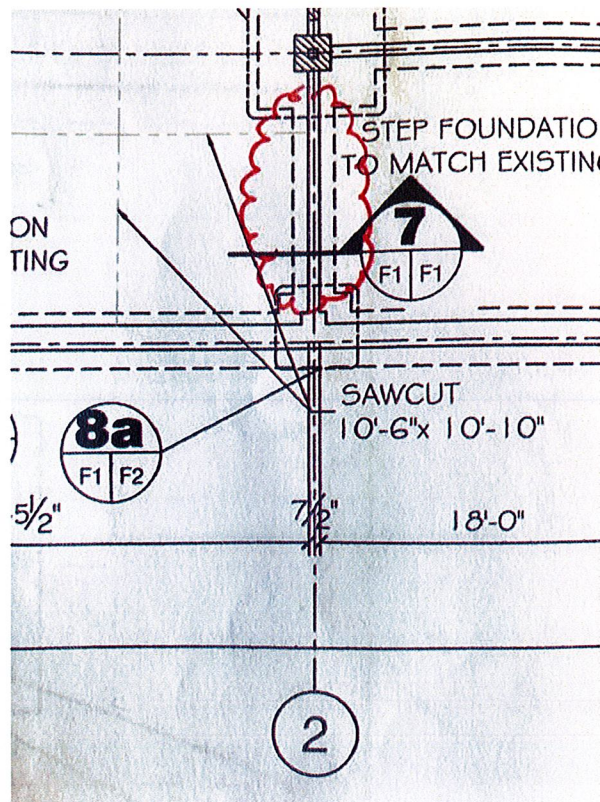
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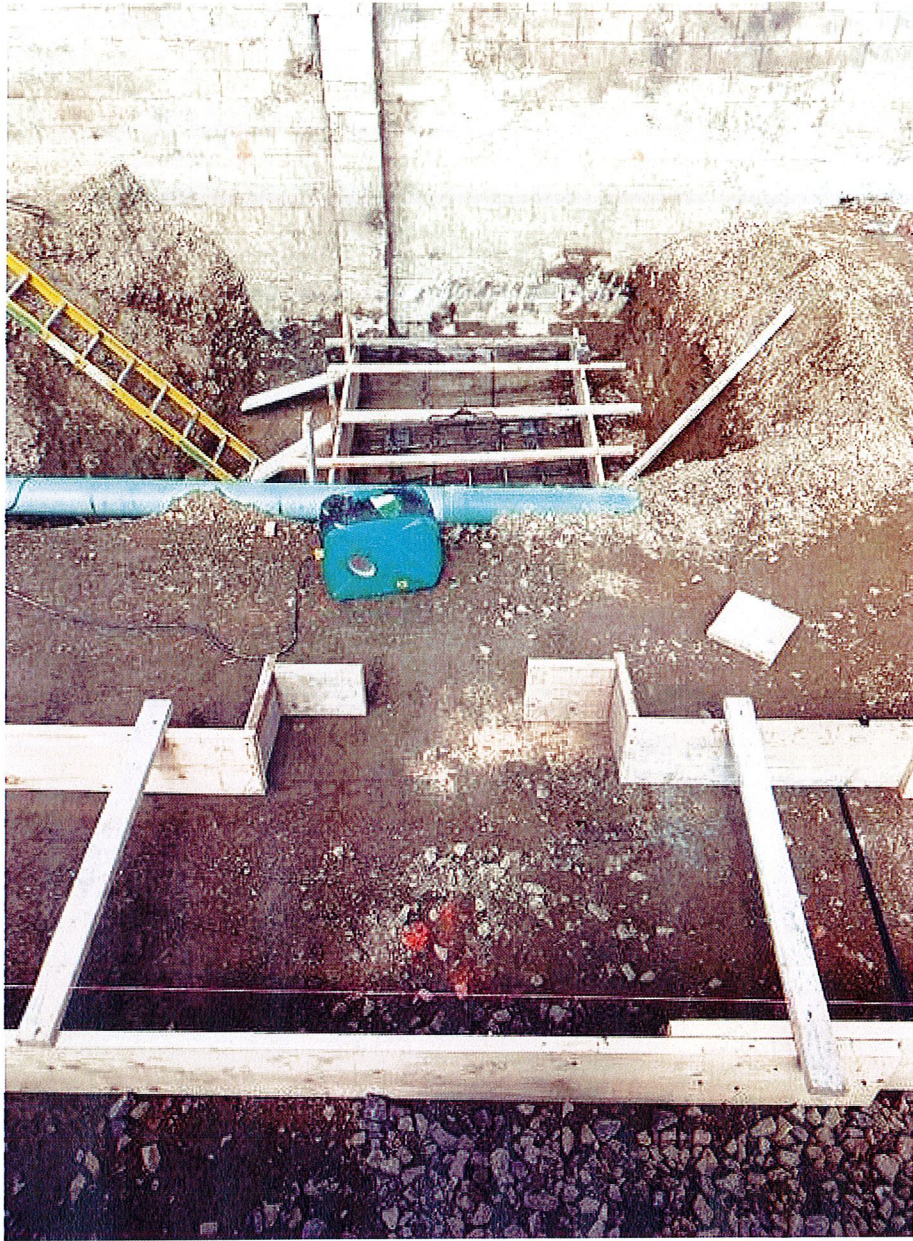
Issue date: 11-Sep-20
Revision date: N/A
Revision #: N/A

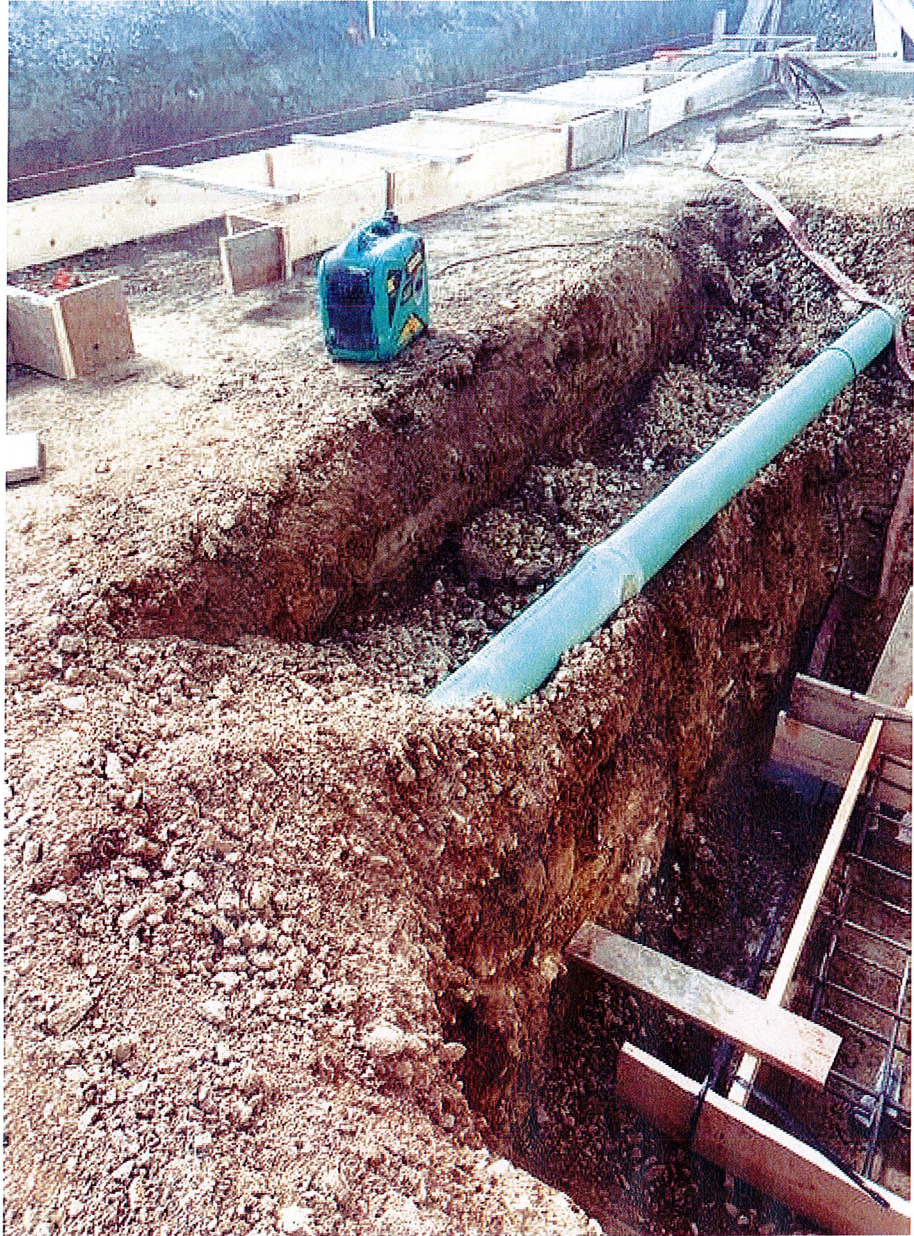
CIR #12 Detailed Summary

Questions:

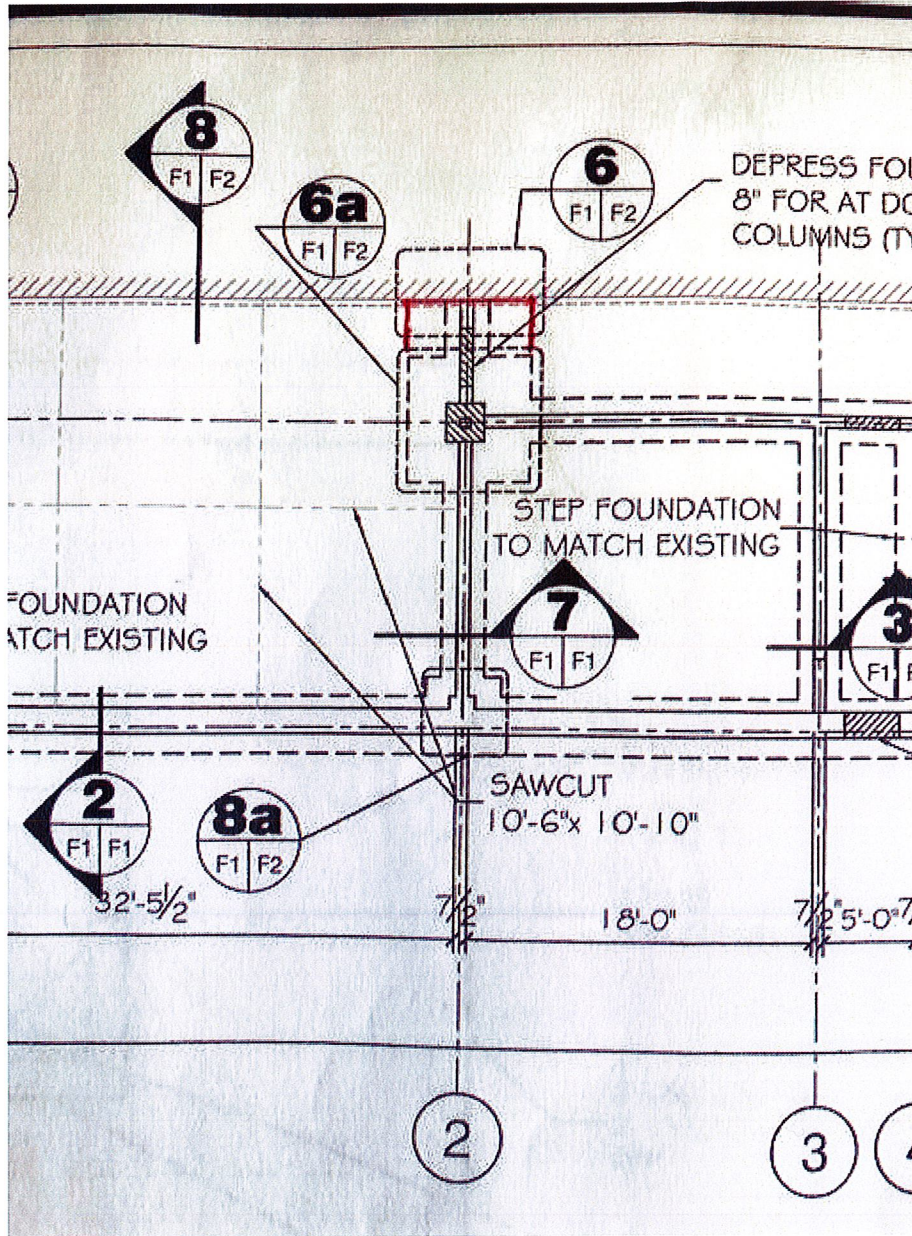
1. The required step footing on GL 2 connecting to the pier footing and required to be on undisturbed soil or bedrock, the distance of 10' between them does not allow to connect with the new storm sewer interfering. Attached marked up picture and pictures of site conditions for your reference below. Please provide instruction.







2. Please acknowledge the agreed upon plan with Eastern Engineering to proceed by attaching the full width of the footing 6'6" to existing footing and as the pier would be higher, the footing shall not be redesigned to carry the load; to maintain the 6'6" to one direction as is. Marked up picture in red below.



End of CIR No. 12

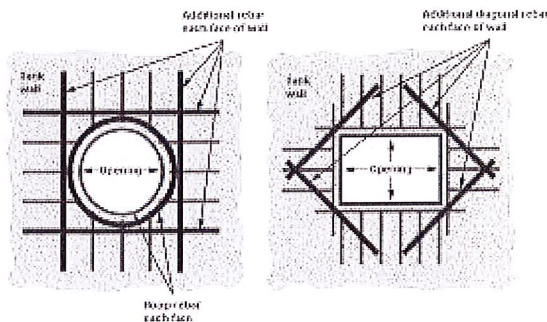
Dena Zwarich

From: Brandon Campbell <bcampbell@easteng.com>
Sent: Tuesday, September 15, 2020 12:18 PM
To: Annie Griffiths; Larry Gaines; rdaigle@carletonplace.ca
Cc: Keith Oster; Leonel Lima; Dena Zwarich
Subject: RE: CPA - CIR #12

Hi all and sorry for the delay.

I have reviewed the photos and believe that the pipe can be sleeved through the wall. It is difficult to tell at this time if there will be a bar interference, however this can be addressed if that is the case using 4 diagonal bars (diamond shape) around the penetration. I would like to see how the bar layout goes and we can issue a sketch if that is the case. We need to maintain the required 2" clear cover from the pipe when doing this layout. Also you may want to consider sleeving the pipe if ever in the future you need to remove or replace this pipe.

It would be something similar to this, though I will adjust for this situation



The second consideration is that the backfill under this pipe will be very difficult to getting the necessary under slab compaction for. It has been my experience that to alleviate this issue the use of 0.4MPa flowable fill works very well. Should that product not be available a lean concrete mix of 4MPa can be used -though is not as economical as the flowable fill.

Hope this helps

Thanks

BRANDON CAMPBELL, B.ENG, P.ENG

Director of Structural Engineering Services

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From: Annie Griffiths <annie@tal-co.com>

Sent: Friday, September 11, 2020 2:25 PM

To: Larry Gaines <gaines@bellnet.ca>; Brandon Campbell <bcampbell@easteng.com>; rdaigle@carletonplace.ca

Cc: Keith Oster <koster@tal-co.com>; Leonel Lima <llima@tal-co.com>; Dena Zwarich <dena@tal-co.com>

Subject: CPA - CIR #12

Good Afternoon Larry,

Please see attached CIR #12 for your review and response, for the Carleton Place Arena.

Thank you,

Annie Griffiths

Project Administrator

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