From: Thiel Sydney - Capital Projects on behalf of Thiel Sydney - Capital Projects <SydneyT@ckschools.org>
To: Johnny Hong; Hanley, Don
Cc: Richard Wilson; Young, Scott; Parkhurst, Chad
Subject: RE: 21609 CkHS/MS- north of tennis courts
Date: Thursday, March 21, 2019 7:33:17 AM

Johnny/Don,
If CKSD were to proceed with connecting a pipe to each of the 2 CBs between the tennis courts, I assume that the asphalt will need to be cut/patched, is that correct?

Sydney Thiel
Project Manager | Capital Projects Office
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360-662-1705 direct
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From: Johnny Hong <jhong@integrusarch.com>
Sent: Thursday, March 14, 2019 9:52 AM
To: Hanley, Don <Don.Hanley@skanska.com>
Cc: Thiel Sydney - Capital Projects <SydneyT@ckschools.org>; Richard Wilson <rwilson@integrusarch.com>; Young, Scott <Scott.Young@skanska.com>; Parkhurst, Chad <chad.parkhurst@skanska.com>
Subject: Re: 21609 CkHS/MS- north of tennis courts

Don

Great observation. I asked the same question to Mike and Doreen. They both think that the proposed fix will minimize neighbors roof run off toward to west, so that the stormwater will not overflow to the northwest corner of the tennis court.

Johnny Hong
INTEGRUS Architecture
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206.794.6170/ cell

On Mar 14, 2019, at 8:23 AM, Hanley, Don <Don.Hanley@skanska.com> wrote:

> Johnny,
>
> This proposed change will address the ponding we were seeing at that location and will also help with the amount of water that flows to the West. But I am not sure this will solve the runoff we saw by the CBs to the West (see attached pictures and attached markups).

If you recall on the NW half of that area, there is a steeper slope to the neighboring yards from the tennis courts. This proposed change may help reduce the amount of water that flows to the west, but I do not think this will eliminate the runoff we have been seeing on the tennis courts.

If that runoff is not an issue to CKSD, then this method will work. If it is something they want to fix, we would suggest tying into the CB to the West.

Don Hanley
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From: Johnny Hong <jhong@integrusarch.com>
Sent: Wednesday, March 13, 2019 4:44 PM
To: Hanley, Don <Don.Hanley@skanska.com>
Cc: Thiel Sydney - Capital Projects <SydneyT@ckschools.org>; Richard Wilson <rwilson@integrusarch.com>
Subject: FW: 21609 CkHS/MS- north of tennis courts

[External Email]

Don/Sydney,

After a discussion with Doreen and Mike, they understood the possibility of undermining the tennis court on the northwest corner. Doreen and Mike proposed the attached solution which was discussion on site a while ago, is to create swales near the neighbor's roof drain inlet and connect to the nearby CB60.2. The concept is almost identical to what we discussed on site, just at a different CB. Please review and let us know your thoughts on this solution.

Thanks,

Johnny Hong, AIA, LEED AP, Assoc. DBIA
Architect, Associate Principal
jhong@integrusarch.com

<image002.png>

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From: Mike Hager <mhager@AHBL.com>
Sent: Wednesday, March 13, 2019 4:01 PM
To: Johnny Hong <jhong@integrusarch.com>; Doreen Gavin <DGAVIN@AHBL.com>; Nick Rheaume <NRheaume@AHBL.com>
Cc: Richard Wilson <rwilson@integrusarch.com>
Subject: RE: 21609 CkHS/MS- north of tennis courts

Johnny,
Per the phone discussion with Doreen earlier, here is an exhibit showing where we would propose to connect the drainage north of tennis to the tennis CB. The majority of the drainage along the north of the tennis is coming from the neighbors roof drain. Connecting the swale to the CB 60.2 instead of CB 61.1 could save the 340LF of gravel/drain pipe that is shown in your last attachment.

Mike Hager | Project Engineer
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<IMG_3642.jpg>
<IMG_3641.jpg>
<20190313 - CKHSMS CDC 130 - Soule RD connection - DH Markup.pdf>