From:	Thiel Sydney - Capital Projects on behalf of Thiel Sydney - Capital Projects <SydneyT@ckschools.org>
To:	Shoemaker Robin - Capital Projects
Cc:	Eatch Beck - Capital Projects
Subject:	FW: 21609 CkHS/MS- north of tennis courts
Date:	Wednesday, March 20, 2019 11:48:14 AM
Attachments:	20190313 - CKHSMS CDC 130 - Soule RD connection - DH Markup.pdf image002.png

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Robin,
This is the topic that came up during today's OAC that I wanted to loop you into. After further consideration and field observation, the drainage solution that was proposed via CCD 105 for the area north of the tennis courts is believed to need a different solution.

The attached pdf includes a recommendation to install a section of pipe from the low spot near the Soule property into CB 60.2. This is shown in blue on the pdf.

There is another area to the west that is clouded in green on the pdf that has experienced some run-off onto the tennis courts. The attached pictures show evidence of the run off at the green clouded area.

Skanska and Johnny raised the run-off as a concern and recommended that an additional pipe be installed to collect water and direct it into the CB that is directly south of the green clouded area. AHBL agreed with the proposed solution.

Do you have any questions related to this proposed solution? Since the scope of this proposed solution is more extensive/costly than what was originally conceived with CCD 105, would you prefer to issue this as a PR?

Sydney Thiel
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From: Hanley, Don <Don.Hanley@skanska.com>
Sent: Thursday, March 14, 2019 8:24 AM
To: Johnny Hong <jhong@integrusarch.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

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
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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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