From:	Teresa Barnes
To:	"Wilkerson, Nick"
Cc:	Schultz, Randy; Scott Csendes; Eric Pottenger; "Chris Wunnenberg"
Subject:	RE: 660701 - Equipment Depot Stormwater (Cin/Day Rd & Allen)
Date:	Friday, March 09, 2018 3:56:05 PM
Attachments:	image002.png image003.png image004.png image005.png image006.png

---

Nick

This email will serve as the "answer" to both of yours from 3/7 and 3/8

As to the question if the highlighted area was a storm water control facility – I have placed a file within our historical records that you can look at to determine for the design information. The calculations were completed in 2003/2004; this means that the detention would have been designed to the post 50-year storm down to the pre-10 storm. Water quality was not a requirement at that time.
The storm water requirements were updated in 2012 to include water quality in addition to quantity being calculated using the critical storm. This update in the regulations started to essentially double the size of the required basins. Given that the area in question would have been designed for the area with the "old" regulations; it is the consensus here at BCEO that, with "building 7" draining directly to the drainage swale and not across the area of the "basin" - designing the remaining area (your areas outlined in pink and yellow) to today's standards of both water quality and quantity (critical storm) that the proposed basin will reduce the amount of water from the area equal to or even greater than the entire area with the "old" standards.

To get to the design file:

1. 1. Go to www.BCEO.org
2. 2. Down the left side, toward the bottom of the black strip – click on "interactive web map"
3. 3. In the black strip on the left – click on "records"
4. 4. Click on the "historical" file
5. 5. Click on the "request" file

6. 6. Click on the “Schumacher Dugan Bldg #7” file

Let me know if you have any questions
Teresa

Teresa K. Barnes, P.E., CPESC
DESIGN ENGINEER
1921 Fairgrove Avenue
Hamilton, OH 45011

513-785-4142
Fax 513-867-8549

barnest@bceo.org

From: Wilkerson, Nick [mailto:Nick.Wilkerson@kzf.com]
Sent: Thursday, March 08, 2018 4:51 PM
To: Teresa Barnes
Cc: Schultz, Randy; Scott Csendes
Subject: 660701 - Equipment Depot Stormwater (Cin/Day Rd & Allen)

Teresa,

I have another stormwater question I was hoping you could help us out on. Upon further review of the site, I’m starting to wonder if the low lying area on the proposed Equipment Depot property is actually a stormwater control facility. I’ve highlighted a PDF showing the general location. Do you have any records of this being area being designed/designated as a stormwater facility? If so would it be possible to get the approved design plans etc for this area?

If you could let us know as soon as possible we would greatly appreciate it.

Lastly, I also wanted to follow up on the email I sent yesterday. If you could let me know your thoughts it would be appreciated.

Thanks in advance.

Nick Wilkerson, PE, PMP
Civil Engineer

KZF DESIGN
Designing Better Futures

Nick.Wilkerson@kzf.com
main 513.621.6211 • *direct* 513.864.8677
kzf.com

Follow us!