From:	Kyle J. Wrentmore
To:	Eric Pottenger
Cc:	Michelle.Flanagan@epa.ohio.gov; Teresa Barnes; Steve E. Fox
Subject:	RE: Liberty Township - Alternate BMP
Date:	Thursday, February 22, 2018 2:29:53 PM
Attachments:	image002.png Barracuda S4 HP Standard Detail.pdf Barracuda Submittal OK110 Data.pdf Grading Plan & Details.pdf

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Eric,

Attached are the specs for the proposed water quality structure (Barracuda S4). I have attached the site grading plan and details for your review. Please let me know if this is an acceptable option for small construction sites.

Thank you,

Kyle J. Wrentmore, EI
Civil Engineer
The Mannik & Smith Group, Inc.
1160 Dublin Road, Suite 100
Columbus, OH 43215-1052
614-441-4222 (Office)
www.manniksmithgroup.com

From: Eric Pottenger [mailto:PottengerE@bceo.org]
Sent: Friday, February 16, 2018 7:29 AM
To: Kyle J. Wrentmore
Cc: Michelle.Flanagan@epa.ohio.gov; Teresa Barnes
Subject: RE: Liberty Township - Alternate BMP

Kyle,

Please forward site development plan, SWPPP & BMP information to Teresa Barnes with our office. As you may be aware, Liberty Township is a MS4 Co-Permittee with Butler County Storm Water District. The District operates in conjunction with the Butler County Engineer's Office, of which Teresa and I are employees of both agencies.

Sincerely,
Eric

Eric J. Pottenger
Storm Water District Manager
pottengere@stormwaterdistrict.org

Butler County Storm Water District
1921 Fairgrove Avenue (SR4)
Hamilton, OH 45011-1965

D: 513.785.4121 | M: 513.678.6325

From: Michelle.Flanagan@epa.ohio.gov [mailto:Michelle.Flanagan@epa.ohio.gov]
Sent: Thursday, February 15, 2018 3:03 PM
To: Kyle J. Wrentmore; Eric Pottenger
Subject: FW: Liberty Township - Alternate BMP

Hello,
Please send the information to the MS4 (Butler County) for approval. At this time, you only need approval from the local jurisdiction for sites under 5 acres regarding alternative BMPs.
Thanks, Michelle

From: Kyle J. Wrentmore [mailto:KWrentmore@manniksmithgroup.com]
Sent: Tuesday, February 13, 2018 9:16 AM
To: Flanagan, Michelle <Michelle.Flanagan@epa.ohio.gov>
Subject: Re: Liberty Township - Alternate BMP

Good Morning Michelle,

Have you had a chance to review the proposed water quality approach for this development? Please let us know if you have any questions.

Kyle Wrentmore
Cell: 440-655-2128

On Feb 2, 2018, at 11:34 AM, Kyle J. Wrentmore <KWrentmore@manniksmithgroup.com> wrote:

> Michelle,
>
> Thank you for your assistance thus far. We would like to propose using the attached water quality structure (Barracuda S4) to meet the 80% TSS removal. I have attached the site grading plan and storm profiles for your review and approval. Please let me know if this is an acceptable option and if so provide a proper letter of approval to include in our stormwater management report. Also please let me know if you require any further information.

Kyle Wrentmore

From: Michelle.Flanagan@epa.ohio.gov [mailto:Michelle.Flanagan@epa.ohio.gov]
Sent: Tuesday, January 23, 2018 2:23 PM
To: Kyle J. Wrentmore
Subject: RE: Liberty Township - Alternate BMP

Hello,
The permittee may request approval from Ohio EPA to use alternative structural post-construction BMPs. The construction general permit and requirements are available at http://epa.ohio.gov/Portals/35/permits/OHC000004_GP_Final.pdf.

The Contech CDS has a 50% Total Suspended Solids (TSS) removal efficiency, so this system alone would not meet the 80% TSS removal efficiency.
For guidance, see the following:

http://www.njstormwater.org

http://www.mastep.net/

Thank you,

Michelle Flanagan
Storm Water Coordinator
Ohio EPA|Division of Surface Water
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911
Phone: (937) 285-6440
Fax: (937) 285-6249
Email: michelle.flanagan@epa.ohio.gov

From: Kyle J. Wrentmore [mailto:KWrentmore@manniksmithgroup.com]
Sent: Tuesday, January 23, 2018 8:54 AM
To: Flanagan, Michelle
Subject: Liberty Township - Alternate BMP

Good Morning Michelle,

We are working on a project in Liberty Township, Butler County, OH. The disturbed area for the site is less than 2 acres. We are looking to use a Contech CDS unit to handle the water quality. I know these have been used on previous sites, but we would like to confirm this is an acceptable approach. Does the county need to provide approval for these alternate BMP measures? If so, we can send a preliminary stormwater plan and report for your review. Please let me know if you need any additional information.

Thank you,

Kyle J. Wrentmore, EI
Civil Engineer
The Mannik & Smith Group, Inc.
1160 Dublin Road, Suite 100
Columbus, OH 43215-1052
614-441-4222 (Office)
www.manniksmithgroup.com

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Did You Know: Children of parents who talk to their teens about drugs are
up to 50% less likely to use. Start the conversation: StartTalking.Ohio.Gov

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<C301 Storm Profiles.pdf>

<C300 Grading Plan.pdf>

<Barracuda S4 HP Standard Detail.pdf>

<Barracuda Submittal OK110 Data.pdf>

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