

From: [Brown, Joshua A - DNR](#)
To: [Brodzeller, James](#)
Cc: [Von Holdt, Crystal L - DNR](#)
Subject: RE: Epic Sugar River restoration
Date: Tuesday, July 23, 2024 10:52:26 AM
Attachments: [Epic Ditches.pdf](#)
[image006.png](#)
[image007.png](#)
[image009.png](#)
[image010.png](#)
[image011.png](#)
[image012.png](#)

Thanks for the update James. Has there been any more talk about wetland restoration opportunities? I understand if some ditches need to stay open, but there seem to be many other potential ditches that could be filled as part of the project (map of ditches attached). Hope you're doing well, thanks!

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Josh Brown
Phone: (608) 516-3708
Joshuaa.brown@wi.gov

From: Brodzeller, James <Brodzeller.James@danecounty.gov>

Sent: Tuesday, July 02, 2024 9:48 AM

To: Benjamin Lee <ben@healthystreams.com>; Engel, Mike <Mike_Engel@fws.gov>; Moder, Wade <Moder.Wade@danecounty.gov>; Topf Wells <topfwells@gmail.com>; Robert Bohanan <rbrtbohanan52@gmail.com>; Henderson, tpe <tpe.rhenderson@tds.net>; Helen Sarakinos <executivedirector@uppersugar.org>; Kelly Maynard <kelly.r.maynard@gmail.com>; Brown, Joshua A - DNR <JoshuaA.Brown@wisconsin.gov>; Rowe, David C - DNR <David.Rowe@wisconsin.gov>; Bruhn, Camille M - DNR <Camille.Bruhn@wisconsin.gov>; Sorge, Michael J - DNR <Michael.Sorge@wisconsin.gov>

Cc: Minks, Kyle <Minks.Kyle@danecounty.gov>; Hicklin, Laura <Hicklin.Laura@danecounty.gov>

Subject: Epic Sugar River restoration

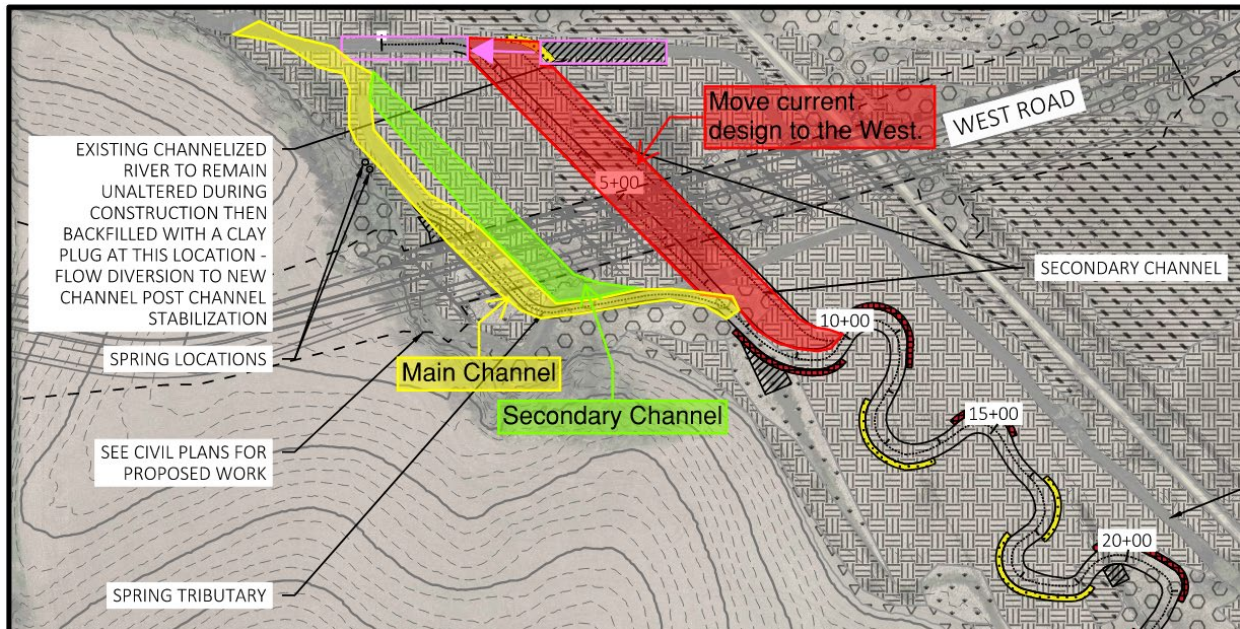
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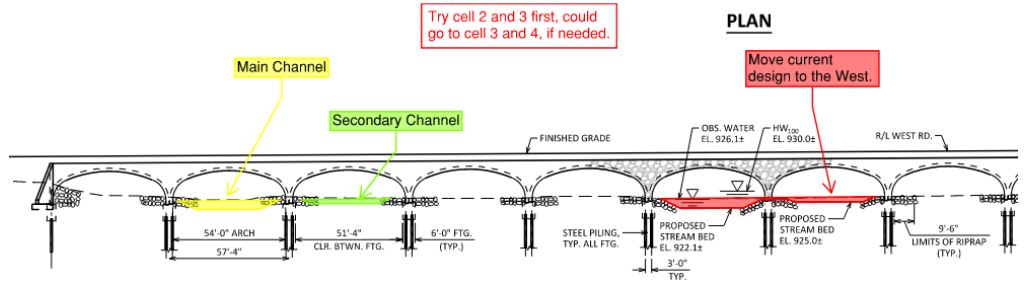
Hi all,

Over the past few weeks we've met with Epic and their AECOM project team a couple times to continue advocating for improvements to their restoration design as part of the W River Rd project. We geolocated the two large springs on the west side of the valley and confirmed those will not be impacted by the earthwork or new infrastructure. They are currently in the process of evaluating if the channel realignment can be shifted west to include the remnant channel section those springs discharge into as part of the main channel. If it works with the hydraulic model/floodplain requirements they're amenable to making the change per the below, which would be great for the river. The secondary channel is needed to make the hydraulics work with the bridge being a series of 50' wide cells separated by abutments.

I'll be meeting on site again with their lead designer after the modeling exercise is completed to further review the alignment and other details of the restoration. They will also likely be removing the bulk of the lunkers and replacing those with other proposed large wood practices (root wads, cedar tree revetments with material harvested on site). For those familiar with Rosgen they've designed this as a C5 channel with the reach expected to evolve into an E5/6 channel. Despite the sinuosity of the reach being a good amount lower than the reference reach just downstream of Hwy 18, they have also added some tighter, shorter radius of curvature bends to promote creation of undercut banks and deeper pools (see attached).

We've been very pleased with the coordination thus far and will continue to keep this group apprised.





Try cell 2 and 3 first, could go to cell 3 and 4, if needed.

PLAN

Move current design to the West.

Regards,
James



James Brodzeller
Watershed Coordinator
 5201 Fen Oak Drive #208, Madison, WI 53718
 Cell: (608) 212-5011 | [website](#)



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White Crossing

Seven Springs Road

Town of Verona

County View Lane

Bobcat Lane

Turner Estate

Epic Lane

Marshview Road

Verona

18

18

5

North Nine Mound Road

Town of Verona

Hula Drive

Cross-Country Road

Julia Drive

Wester Drive

Brookwood Road

Glenwood Drive

Edenberg Drive

Jenna Drive

Hillside Court

Ridge

Wyndwood Drive

Wood Street

Maplewood Drive

Washington Parkway

Verona Court

Ridge Creek Verona Court

West Verona Avenue

Wall Street

West Verona Court

Town of Verona

Verona Court