

Vitale, Matthew J - DNR

From: Vitale, Matthew J - DNR
Sent: Friday, May 21, 2021 1:55 PM
To: Langdon, Robert
Cc: Huber, Mark
Subject: Requesting Additional Information - Site Investigation work Plan, Blackhawk Junction, BRRTS # 02-12-552357
Attachments: Proposed MWs.pdf

Rob,

I am in the process of reviewing the SIWP submitted for the Blackhawk Junction Site. I have some concerns over the placement of the new monitoring wells and piezometer:

- A piezometer should be installed nearby MW-04 to assess the vertical extent of contamination in the source area. There is a downward vertical gradient (described in references found in the PH I ESA).
- The Proposed well on S. Dousman Street should be moved further north, approximately parallel with the proposed MW and PZ in the alley to the west. Sampling here will also help screen for additional VI concerns.
- The Proposed well furthest West on E. Wisconsin Street is likely unneeded because PCE concentrations at MW-05 has been at or below the PAL for the first two sample rounds.
- The SIWP proposed installing 3 MWs and one PZ, though the map showed a total of 5 new wells. The changes above would install 2 MWs and 2 PZs, keeping with the written proposal.

A final consideration is to discuss with the city about their willingness to install additional wells all in one mobilization, anticipating that a PZ at MW-04 or the proposed alley MW will have enforcement standard exceedances. Potential locations would be a PZ by MW-05 and the S. Ohio St well originally marked on the map. These wells would not be needed if the extent is defined by the above wells, but if needed at a later time, may delay completion of the site investigation. As you know they are interested in completing the SI quickly, to gain access to Ready For Reuse funds.

I have attached a copy of the proposed well map with the updated locations marked in red. Please let me know if you agree with the updated locations and what the city thinks about the additional wells.

-Matt

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

Matthew Vitale

Pronouns: He/Him/His

Hydrogeologist - Remediation and Redevelopment Program

Wisconsin Department of Natural Resources

1300 W Clairemont Ave

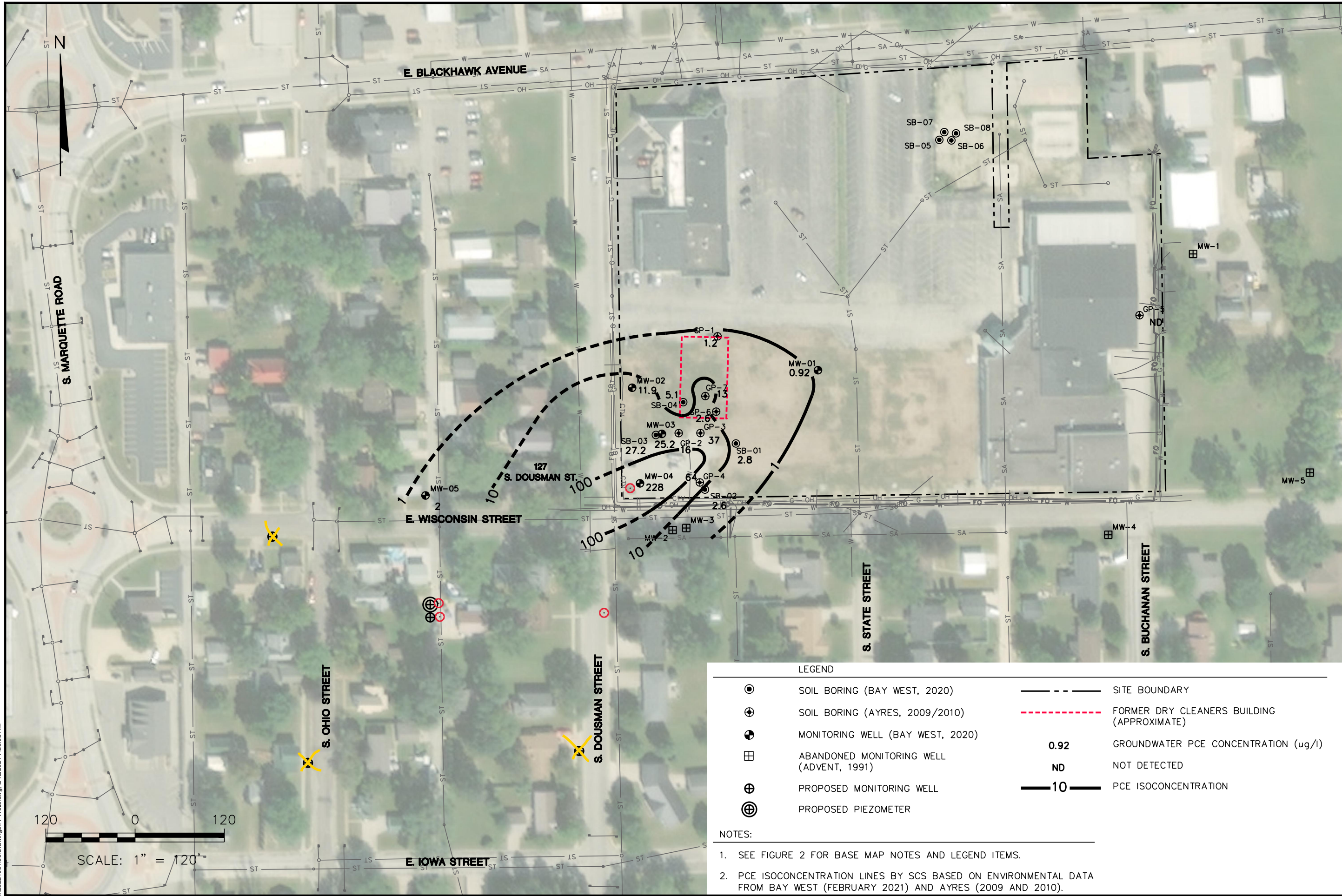
Eau Claire, WI 54701

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Matthew.Vitale@wisconsin.gov



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LEGEND	
	SOIL BORING (BAY WEST, 2020)
	SOIL BORING (AYRES, 2009/2010)
	MONITORING WELL (BAY WEST, 2020)
	ABANDONED MONITORING WELL (ADVENT, 1991)
	PROPOSED MONITORING WELL
	PROPOSED PIEZOMETER
	SITE BOUNDARY
	FORMER DRY CLEANERS BUILDING (APPROXIMATE)
	0.92 GROUNDWATER PCE CONCENTRATION (ug/l)
	ND NOT DETECTED
	10 PCE ISOCONCENTRATION

- NOTES:
- SEE FIGURE 2 FOR BASE MAP NOTES AND LEGEND ITEMS.
 - PCE ISOCONCENTRATION LINES BY SCS BASED ON ENVIRONMENTAL DATA FROM BAY WEST (FEBRUARY 2021) AND AYRES (2009 AND 2010).

CLIENT PRAIRIE DU CHIEN REDEVELOPMENT AUTHORITY	PROJECT NO.	25221094.00	ENGINEER	SCS ENGINEERS 2830 DAIRY DRIVE MADISON, WI 53718-6751 PHONE: (608) 224-2830	FIGURE 3
	DRAWN BY:	04/05/2021	MRH		
	APPROVED BY:	04/16/2021	REL 05/12/2021		
	BLACKHAWK JUNCTION REDEVELOPMENT 700 EAST BLACKHAWK AVENUE PRAIRIE DU CHIEN, WISCONSIN				
SITE		GROUNDWATER RESULTS AND PROPOSED MONITORING WELLS			