

Vitale, Matthew J - DNR

From: Langdon, Robert <RLangdon@scsengineers.com>
Sent: Friday, September 17, 2021 4:45 PM
To: Vitale, Matthew J - DNR
Cc: Garth Frable
Subject: RE: Site Investigation Workplan Notice to Proceed - Blackhawk Junction BRRTS #s 02-12-552357, 06-12-587767
Attachments: Proposed Sewer Sample Locations.pdf

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Matt, as discussed by phone earlier this week, we propose to evaluate the sanitary sewer between South Dousman Street and State Street as a potential preferential pathway for migration of chlorinated volatile organic compounds from the former Blackhawk Drycleaners. Proposed sample locations are shown on the attached map. Our proposed scope is summarized below:

- Collect sewer vapor samples from sanitary sewer manhole SM210 and sanitary sewer lift station manhole 4. The sampling will be performed consistent with WDNR guidance document RR-649 dated June 2021.
- The samples will be collected using laboratory-supplied 1-liter Summa canisters equipped with 5-minute flow controllers and ¼-inch nylon drop tubing. Prior to sampling a vacuum shut-in test will be performed on the drop tubing to make sure there are no leaks. The drop tubing will be lowered into the manhole or lift station wet well to approximately 1 foot above the bottom of the sewer or top of liquid and then purged to remove stagnant air from the tubing prior to sampling.
- Samples will be submitted to Pace Analytical for analysis for analysis of tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-DCE (cis-1,2-DCE), trans-1,2-DCE (trans-1,2-DCE), and vinyl chloride via laboratory method TO-15.
- SCS will prepare a brief letter report summarizing investigation methods and findings. The report will include a map showing sample locations, laboratory report, and analytical summary table which compares sewer gas sample concentrations against the Department's sanitary sewer gas screening levels (SSGSLs).

Please let us know if the above-noted scope of work is acceptable.

Thank you,
Rob

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From: Vitale, Matthew J - DNR <Matthew.Vitale@wisconsin.gov>
Sent: Wednesday, July 28, 2021 10:59 AM
To: Langdon, Robert <RLangdon@scsengineers.com>
Cc: Garth Frable <gfrable@prairieduchien-wi.gov>
Subject: Site Investigation Workplan Notice to Proceed - Blackhawk Junction BRRS #s 02-12-552357, 06-12-587767

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Rob,

I have reviewed the Site Investigation Workplan Addendum dated July 12, 2021. I concur with the updated well locations and understand you plan to install these wells next week. I do not want to delay the work, and this email is your notice to proceed with the proposed site investigation work.

There are two additional items that must be included in a future site investigation workplan and completed before the Site Investigation will be considered complete.

1. Evaluation of emerging contaminants – all open sites were sent a letter in August 2020 that explained the requirement for evaluating emerging contaminants as part of the site investigation workplan. [The letter](#), along with our [Site investigation Scoping guidance document](#) goes into additional detail.
2. Investigating human-made preferential pathways – [A new guidance document](#) for this was published in by the department in June, and discusses the considerations and sampling methods. This is important here, because from the 1991 Soil Gas survey (see attached), there was elevated PCE to the south of the former dry cleaner between S. Dousman St and S. State St (location 32). Based on your figures, there is a sewer line that runs between the houses on that street, which may be acting as a preferential pathway.

Please contact me with any questions.

-Matt

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Matthew Vitale

Pronouns: He/Him/His

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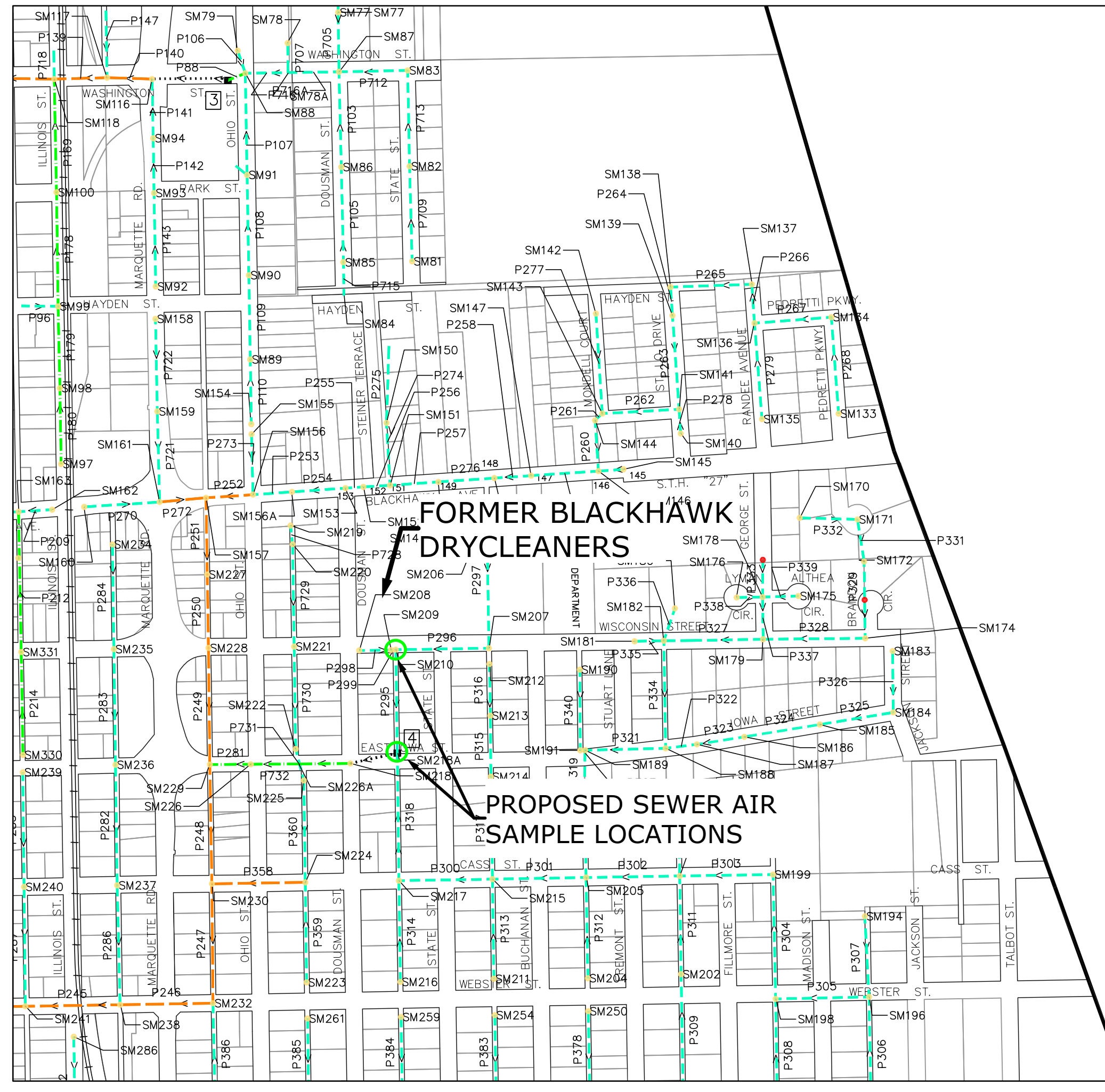
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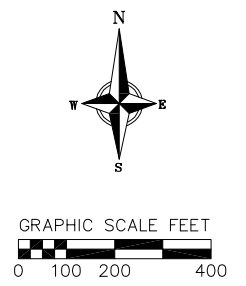
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LEGEND

- CITY LIMITS
- 6" SANITARY
- 8" SANITARY
- 10" SANITARY
- 12" SANITARY
- 15" SANITARY
- 18" SANITARY
- 21" SANITARY
- FORCE MAIN
- DIRECTION OF FLOW
- MANHOLE
- APPROXIMATE MANHOLE LOCATION BASED ON PREVIOUS SYSTEM MAPS
- LIFT STATION & NO.
- CABELA'S LIFT STATION
- N. MAIN STREET
- WASHINGTON STREET
- IOWA STREET
- BRUNSON COURT
- WACOUTA AVE.
- CROSSING RIVER HOSPITAL
- MEADOW LANE



FORMER BLACKHAWK DRYCLEANERS

PROPOSED SEWER AIR SAMPLE LOCATIONS

March 2, 2020

vierbicher
 planners | engineers | advisors
 Phone: (800) 261-3898