

From: Lauridsen, Keld B - DNR
To: "[Lysne, Bjorn](#)"
Cc: [Kincaid, Gary W - DNR](#); [Olson, Beth J - DNR](#); [Chronert, Roxanne N - DNR](#)
Subject: RE: LFRR-17-0139 City Slip Soil Characterization Plan
Date: Tuesday, May 23, 2017 4:56:00 PM
Attachments: [image002.png](#)

Bjorn,

The Department has reviewed your below proposal to characterize soil scheduled for removal for approximately 500 linear feet along the south side of the City Slip. You are proposing to analyze a total of 5 composite soil samples for DRO, GRO, PAH, VOC and metals.

The Department concurs with your approach to characterize the soil in order to determine potential future reuse options.

My understanding is that the work has already been completed after my verbal approval on Friday, May 12.

Let me know if we need to discuss this further.

-Keld

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Keld B. Lauridsen

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From: Lysne, Bjorn [<mailto:Bjorn.Lysne@tetrattech.com>]
Sent: Friday, May 12, 2017 2:53 PM
To: Kincaid, Gary W - DNR; Lauridsen, Keld B - DNR; VanessaCh@greenbaywi.gov; StevenGr@wisconsin.gov; George.Berken@boldt.com; Jay.Grosskopf@Boldt.com; larry.debruin@boldt.com; Ava Grosskopf
Cc: Jeff Lawson; Susan OConnell; Heath, Bryan; Gawronski, Troy A; Coleman, Bill; Willant, George; Blackmar, Terri; Feeney, Richard; Boreen, Lee; Weston, Brandon; Wagner, Corey; Bauer, Eric; ECI.LFRR Project Correspondence; Paul Montney (pamontne@gapac.com); Roger Kaminski (roger.kaminski@gapac.com)
Subject: FW: LFRR-17-0139 City Slip Soil Characterization Plan

Good afternoon,

The purpose of this email is to notify the Agencies and City of Green Bay (City) of Tetra Tech's plan to characterize the upland soil along the south side of City Slip, located along the Fox River just north of the Mason Street Bridge.

To determine whether the excavated soil is suitable for offsite reuse or if it will need to be landfilled, and to determine the measures that will need to be implemented to manage the soil

while on site, Tetra Tech proposes to collect soil samples at the locations shown on the attached Proposed Boring Location Map. Composite samples will be generated from the locations shown on the map, each composite sample will represent soil collected from approximately 100 linear feet of the planned excavation, as measured along the shoreline.

Each soil boring will be advanced to 5 feet below grade. The sample interval (1-foot) with the highest photo-ionization detector (PID) reading from each core will be collected and used for compositing purposes. If there is no indication of contamination (e.g., visual, olfactory, PID reading) in the core, then the interval directly above the apparent water table will be collected. The composited soil samples will be analyzed for diesel range organics (DRO), gasoline range organics (GRO), polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, and zinc). The analytical results will be compared to applicable WDNR and EPA industrial direct contact residual contaminant levels (RCLs), soil to groundwater RCLs, applicable background threshold values for naturally occurring elements, such as arsenic, and landfill acceptance criteria.

Each borehole will be properly abandoned using bentonite per Wisconsin Administrative Code Ch. NR 141.

We anticipate this characterization work will take two days to complete, beginning on Monday, May 15, 2017. Laboratory analytical data will be available ten working days after the samples are submitted to the lab. A letter report documenting the soil characterization will be submitted to the Agencies and the City within ten days of receiving the laboratory data.

Thank you,

Bjorn

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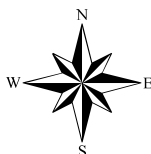


Location: Lower Fox River in Green Bay, Wisconsin
 FIGURE 2. PROPOSED GEOPROBE BORING LOCATIONS

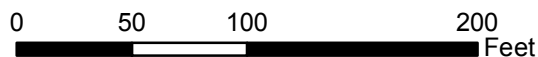
Legend

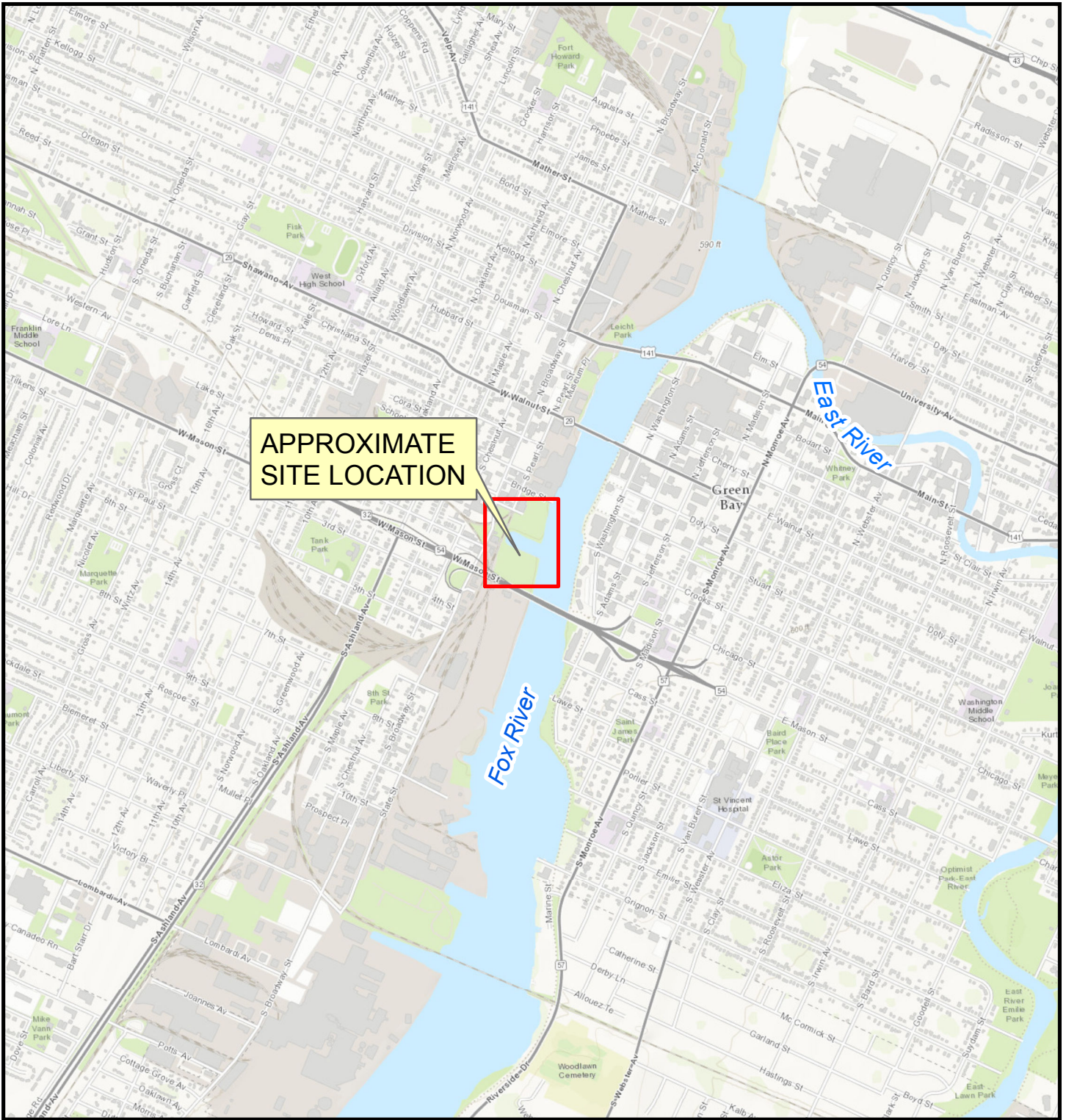
- Proposed Boring Locations
- Note: Comp-X denotes composite samples collected from the boring locations within each labeled boundary

Number of Core Locations: 32
 Location Spacing: 15'



DRAFT





Location: Lower Fox River in Green Bay, Wisconsin
 FIGURE 1. SITE LOCATION - CITY SLIP BORING LOCATIONS

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