

Memo

To	Jamie Schwartz, USEPA
From	Alice Sandzén
Date	13 June 2023
Reference	OU-3 RI/FS Work Plan Addendum
Subject	Addition of Bedrock Monitoring Well at MW-507

Dear Jamie,

ERM Consulting & Engineering, Inc. (ERM), on behalf of the Operable Unit 3 (OU-3) Respondents, has prepared this *Work Plan Addendum to the OU-3 Remedial Investigation/Feasibility Study Work Plan* and associated planning documents to install one single-screen bedrock well adjacent to existing alluvium multi-level well MW-507¹.

Installation of step-in/step out monitoring wells, as proposed in the United States Environmental Protection Agency (USEPA)-approved *Revised OU-3 RI/FS Work Plan Addendum*, is ongoing. Preliminary groundwater analytical results indicate that additional delineation of bedrock downgradient of MW-501-P4 may be warranted.

ERM proposes to install a single-screen bedrock well, named MW-507-P4, adjacent to existing alluvium multi-level well MW-507²; the approximate location of MW-507 is shown on Figure 1. The new bedrock well will be screened in the Salem Formation and installed following the methods described in the Field Sampling Plan, as amended by various Technical Memoranda.

The OU-3 Respondents request that USEPA respond to this Addendum as soon as possible so that work may continue during the current drilling shift. ERM will provide USEPA with the unvalidated MW-501-P4 results from the second quarter 2023 sampling event as part of the June 2023 monthly report.

Please contact me at (603) 667-0682 if you have any questions.

Sincerely,



Alice Sandzén
Project Manager

¹ MW-507 is a multi-level alluvium well that was proposed in the *Step-In/Step-Out Well Addendum to the OU-3 RI/FS Work Plan* dated 15 February 2023. The USEPA provided approval with modifications in a letter dated 31 March 2023. ERM submitted a *Revised OU-3 RI/FS Work Plan Addendum* on 11 April 2023 to incorporate the modifications requested by USEPA.

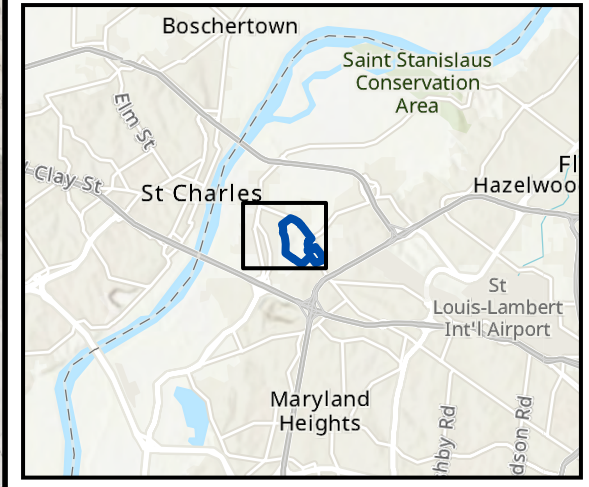
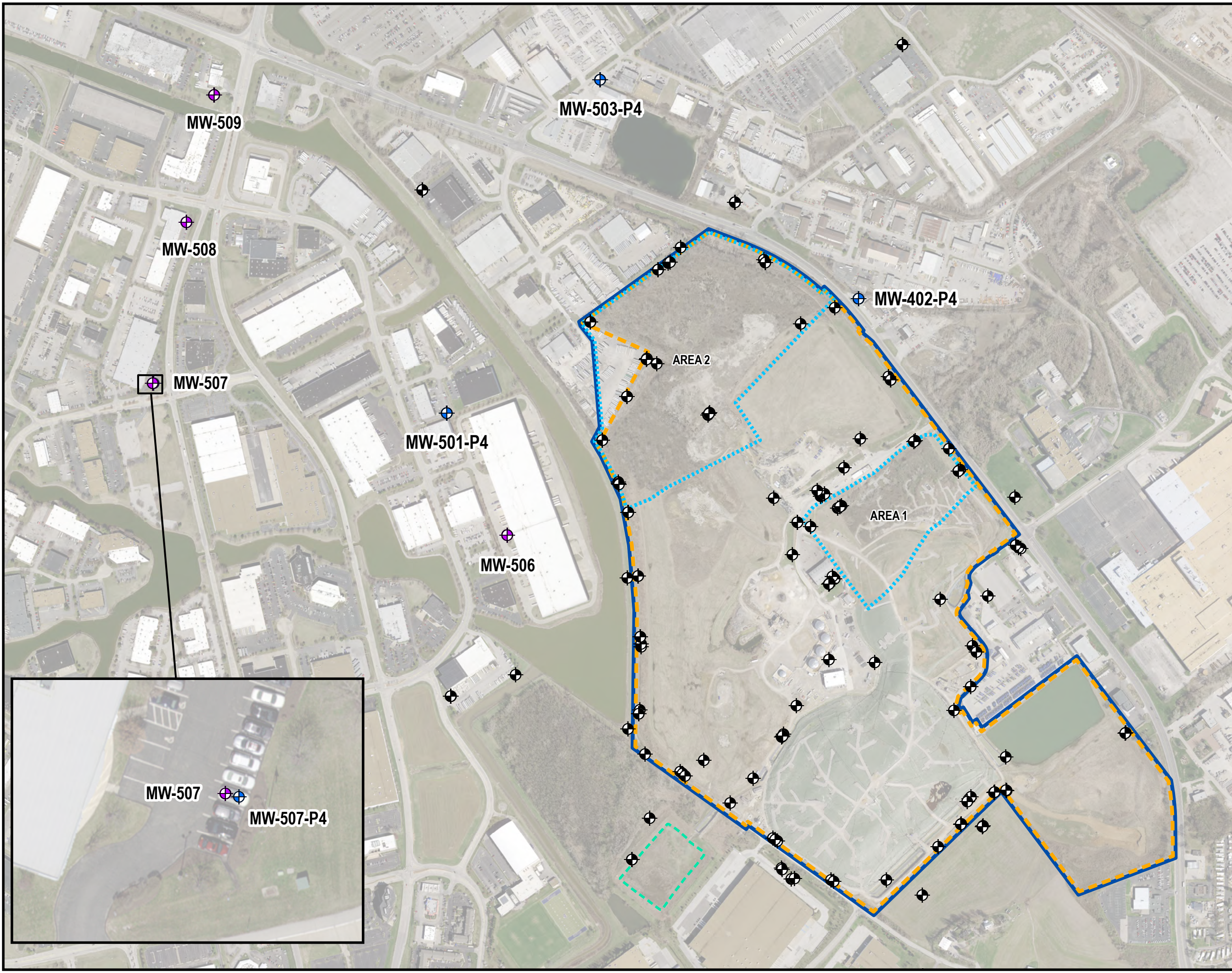
² MW-507 was drilled between 30 and 31 May 2023; borehole geophysics were conducted on 2 June 2023. MW-507 was constructed on 3 and 4 June 2023 as a multi-level well with three screens: one screen in each of the Upper, Middle, and Lower Alluvium. The FLUTE™ system will be installed in July 2023, pending fabrication and subcontractor availability.

Encl.
Figure 1—MW-507 Location

cc:

TJ Adkins, USEPA Region 7
Chris Jump, USEPA Region 7
Tom Mahler, USEPA Region 7
Alyse Stoy, USEPA Region 7
James Curry, USEPA Region 7
Isabel Villaneda-van Vloten, USEPA Region 7
Ryan Seabaugh, Missouri Department of Natural Resources
Scott Sklenar, Constellation Energy Corporation
Victoria Warren, on behalf of Bridgeton Landfill, LLC
Dana Sincox, Bridgeton Landfill, LLC
Matt Stewart, Bridgeton Landfill, LLC
Darina Castillo, DOE-LM
Ralph Golia, AMO Environmental Decisions
Paul Rosasco, EMSI Denver
Ally Cunningham, Lathrop GPM LLP
Cynthia Teel, Lathrop GPM LLP
Bill Beck, Lathrop GPM LLP
Steve Jawetz, Beveridge & Diamond, P.C.
Steven Miller, U.S. Department of Energy
Philip Dupre, U.S. Department of Justice
Jonathan Wilkinson, Feezor Engineering

FIGURE 1—MW-507 LOCATION



- Legend**
- Proposed Step-In/Step-Out Multi-Level Alluvium Well
 - Proposed Single-Screen Bedrock Well
 - Existing Monitoring Wells
 - OU-1
 - Former Leachate Lagoon
 - Landfill Property Boundary
 - Superfund Site Boundary

NOTES:
 1. Aerial Imagery: USGS High Resolution Orthoimagery, 2015

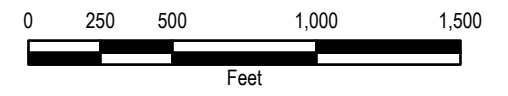
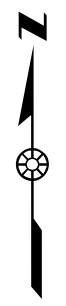


Figure 1: MW-507 Location
 West Lake Landfill OU-3
 Bridgeton, Missouri



Path: \\F:\GIS\Projects\OU-3\WestLakeLandfill\MapDocs\Status\Reports\20221010_Aerial\MW-507_Location_Aerial_07.12.2023