

October 12, 2026

Mr. Brian Rath
Senior Environmental Engineer
Landfill Permitting and Closed Landfills
Iowa Department of Natural Resources
6200 Park Ave, Suite 200
Des Moines, IA 50321

Re: Waste Excavation Report
Iowa City Landfill & Recycling Center

Dear Mr. Rath:

HDR, on behalf of the City of Iowa City, is submitting this Waste Excavation Report (Report) as described in the Landfill Excavation Operations Plan (Plan) which was submitted and approved by the Iowa Department of Natural Resources (IDNR) on June 17, 2026. This Plan was developed to support Compost Facility Improvements and Expansion Project at the City of Iowa City Landfill & Recycling Center.

Excavation activities related to the Compost Facility Improvements and Expansion Project were completed in June 2026. This Report summarizes the excavation activities and presents the findings observed during excavation as expressed in the approved Plan.

Thank you in advance for your review of this Report. Should you have any questions, please feel free to contact Brendan Bunker at (402) 548-5089 (Brendan.Bunker@hdrinc.com) or Will Nicholson at (402) 399-4876 (William.Nicholson@hdrinc.com).

Sincerely,
HDR Engineering, Inc.



Brendan Bunker, P.E.
Environmental Engineer



Will Nicholson, P.E.
Project Manager

Encl. Waste Excavation Report (Electronic)
CC: Becky Jolly, Iowa Department of Natural Resources (Email)
Theresa Stiner, Iowa Department of Natural Resources (Email)
Jennifer Jordan, Iowa City Landfill and Recycling Center (Email)
Joe Welter, Senior Civil Engineer, City of Iowa City (Email)

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Waste Excavation Report

Iowa City Landfill and Recycling Center
Permit No. 52-SDP-01-72P

City of Iowa City, Iowa

Submittal Date: October 12, 2026



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Attachment A – City of Iowa City Landfill & Recycling Center Site Map



1 Introduction and Purpose

The City of Iowa City Landfill & Recycling Center (Landfill) is located approximately one mile west of Iowa City, within Section 14, Township 79 North, Range 7 West, in Johnson County, Iowa (Johnson County Parcels 1114426001, 1114301001, and 1114376001). The landfill area is legally described as being located in the SE 1/4; most of the E 1/2 and NW 1/4 of the SW 1/4; most of the SW 1/4 of the NE 1/4; the S 1/2 of the SE 1/4 of the NE 1/4; and an 80 rod by 6 rod parcel off the S side of the SE 1/4 of the NW 1/4; all in Section 14, T79N, R7W, Johnson County, Iowa.

The Site currently operates under a solid waste disposal permit (No. 52-SDP-01-72P and subsequent amendments) issued by the Iowa Department of Natural Resources (IDNR). Waste disposal at the site began in 1972. The Site contains Resource Conservation and Recovery Act (RCRA) Subtitle D lined and unlined cells. Currently, waste placement has occurred in cells FY72 through FY23, and cells FY72 through FY91 have been closed with a certified clay cap. A site map depicting the Landfill is attached to this Plan as **Attachment A**.

Pursuant to Iowa Administrative Code (IAC) 567 Rule 102.16, any activities intended to excavate, disrupt, or remove any deposited materials from any active or discontinued sanitary landfill shall be disclosed to the IDNR prior to the start of such activities. Rule 102.16(1) specifically states that:

“Notification shall include an operational plan stating the area involved, lines and grades defining limits of excavation, estimated number of cubic yards of material to be excavated, sanitary disposal project where material is to be disposed, and estimated time required for excavation procedures.”

This Waste Excavation Report (Report) has been prepared to demonstrate continued compliance with the above requirements and to summarize the waste disturbance activities that were completed during the Compost Facility Improvements and Expansion Project.

2 Responsible Parties

Property Owner:

City of Iowa City
410 E Washington Street
Iowa City, Iowa 52240
(319) 356-5000

Facility Responsible Party:

Ron Knoche
410 E Washington Street
Iowa City, Iowa 52240
(319) 356-5138
RKnoche@iowa-city.org

Design Engineer:

Joe Welter, P.E.
Iowa License No. P19255
410 E Washington Street
Iowa City, Iowa 52240
(319) 356-5144
JWelter@iowa-city.org

3 Landfill Gas Control

In April 2001, the Landfill formally commenced operation of a landfill gas (LFG) collection and control system (GCCS) in order to comply with the New Source Performance Standards (NSPS) Subpart WWW regulations as applicable at that time. Since that time, the Landfill has been subsumed under the authority of Subpart XXX and remains compliant under these regulations.

The GCCS is intended to extract, collect, and combust LFG. LFG is withdrawn from extraction wells under vacuum (negative pressure) and then conveyed through a network of collection laterals and headers to the flare station for destruction. In accordance with applicable NSPS criteria, the system collects LFG from each area of the Landfill in which MSW has been placed according to the 2-year/5-year rule (i.e. closed areas with waste 2 years or older and active areas with waste 5 years or older).

The area affected by excavation activities encompasses approximately 10.6-acres and is located on the north side of the Landfill within unlined Cells FY73, FY74, and FY75. LFG is currently collected from these areas, though interactions with uncollected LFG are likely. Excavation can disturb gas pathways and release trapped pockets of gas which increases the risk of fire, explosion, or exposure to high concentrations of hazardous compounds. Continuous gas monitoring instruments capable of measuring methane, oxygen, and hydrogen sulfide were utilized while in and around excavation areas.

This project impacted a small portion of the Landfill's existing GCCS as vertical extraction wells GW-110 and GW-114 were located within the excavation footprint. To accommodate project development, the wellheads for these wells were removed and relocated outside the compost facility area. Following relocation, GW-110 and GW-114 were reconnected to the GCCS and now operate as remote extraction wells.

4 Excavation Activities

It is estimated that development of the Compost Facility Improvements and Expansion Project generated approximately 732 tons of excavated material. This material was generated through site grading and installation of utilities. The excavated material consisted of a mixture of native soils, fill soils, and waste debris. The limits of excavation and grading related to the Compost Facility Improvements and Expansion Project are shown in the green shaded area presented in **Figure 1**.

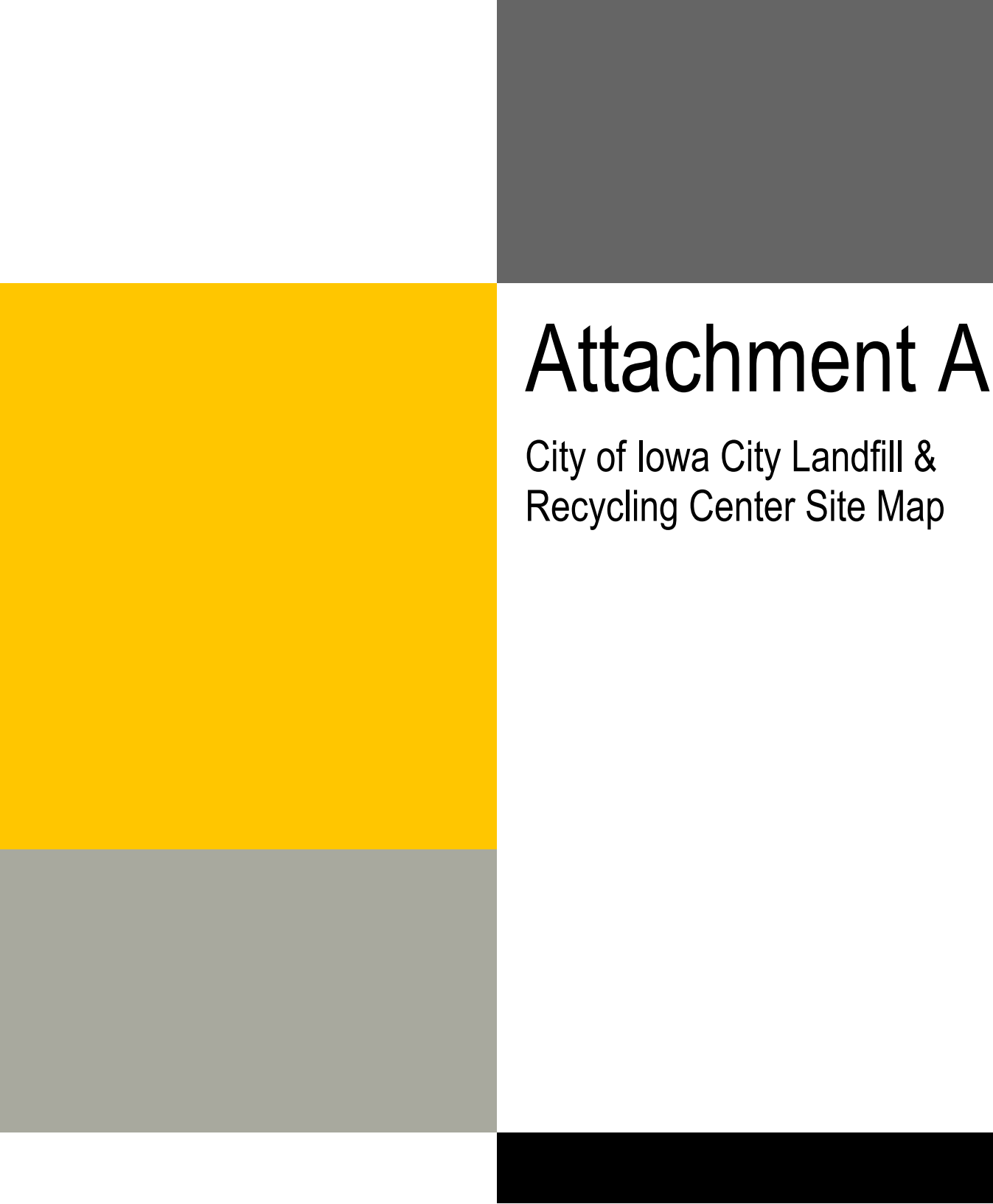
Figure 1. Limits of Excavation



Excavation activities commenced in April 2026, with waste materials encountered during excavation activities in May and June 2026. The materials encountered primarily consisted of litter and debris, predominantly plastic materials, that had become incorporated into cover soils. Excavations generally did not extend deep enough to reach significant quantities of buried municipal solid waste; only a limited amount of substantial waste was encountered.

No suspected asbestos-containing materials (ACMs) or hazardous waste materials were identified during excavation activities. As a result, no decontamination procedures or special handling measures were required for personnel or equipment. Waste materials excavated during construction were loaded into trucks or containers and transported to the active disposal area of the Landfill for placement. Clean soils free of deleterious materials were relocated on-site for use as fill or otherwise removed from the project area, as needed.

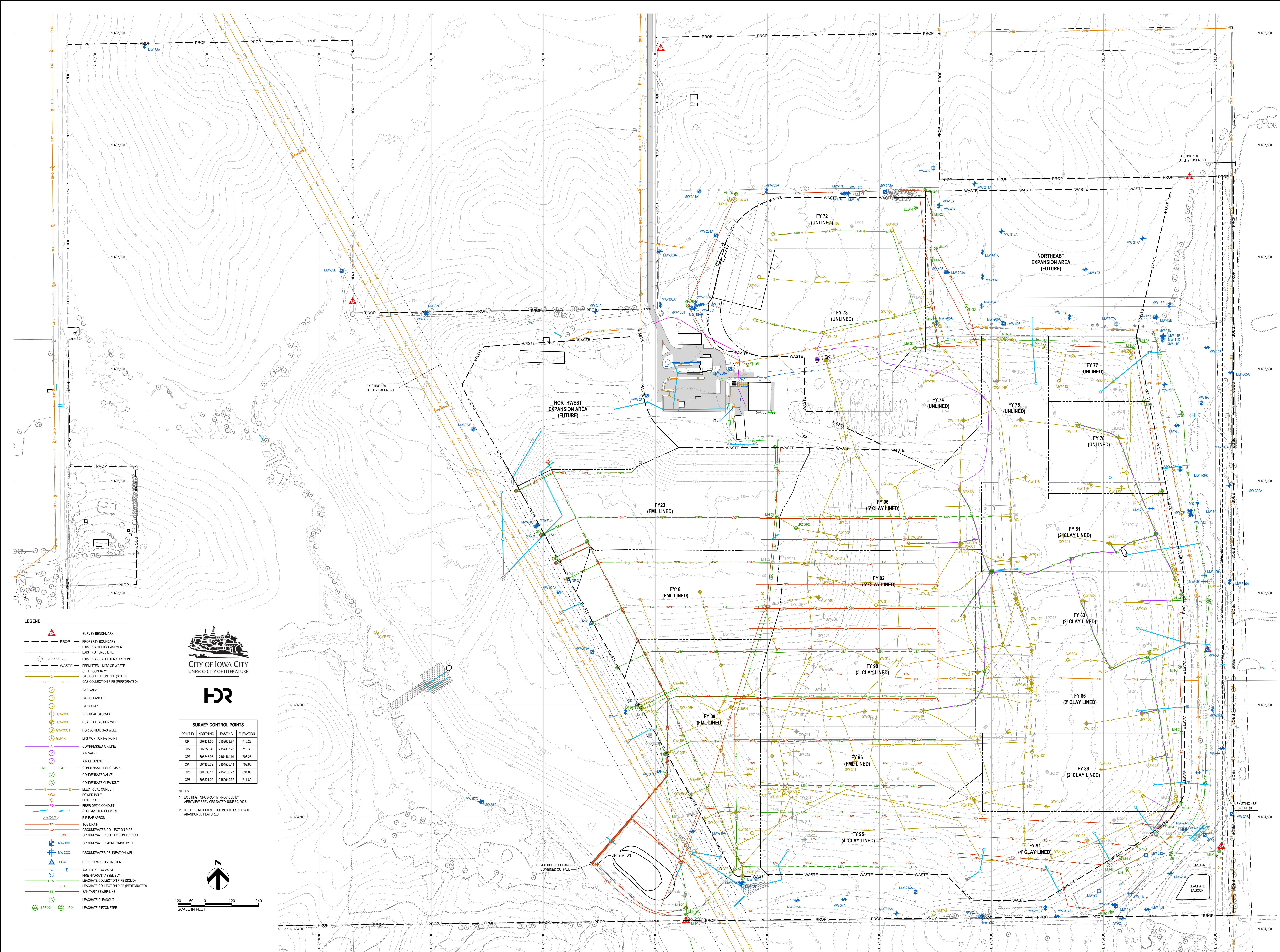
Construction activities associated with the Compost Facility Improvements and Expansion Project are ongoing; however, all excavation areas have been backfilled, covered, and stabilized.



Attachment A

City of Iowa City Landfill &
Recycling Center Site Map

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