

May 14, 2026

Mr. Brad Davison, Environmental Specialist
Land Quality Bureau
Iowa Department of Natural Resources
6200 Park Avenue, Suite 200
Des Moines, Iowa 50321



**RE: 2026 Semi-Annual Water Quality Notification Letter
Audubon County Sanitary Landfill 05-SDP-01-75C**

Dear Mr. Davison:

Hydrologic Monitoring System Plan (HMSP)

At the Audubon County Sanitary Landfill, monitoring well MW90-17 is the upgradient/background wells for the facility. Since there is only a single background well for this site, the background may not be representative and may not include effects of spatial variability. For this reason, the inorganic compounds in site water are evaluated by both interwell and intrawell statistical methods. Volatile Organic Compounds (VOC) are evaluated in site water using the double quantification rule.

The following monitoring points are in the detection monitoring system: MW90-17 (upgradient), MW91-20, and SW-3.

The following monitoring points are in the assessment monitoring system: MW90-4, MW90-7, MW90-14, and MW91-19.

Notification of Results of Spring Sampling, Analysis, and Statistical Evaluation

Wells in the Detection Monitoring System

- A. Interwell Statistical Evaluation
Verified Prediction Limit Exceedances (SSI) for **inorganic** compounds:
None.

- B. Intrawell Statistical Evaluation
Verified Control Limit Exceedances (SSI) for **inorganic** compounds:
MW91-17 – barium (the CUSUM value rather than the result exceeded the control limit).
Note that the barium at MW91-17 is not considered to be an SSI since MW91-17 is the background well and variation in the background concentration is acceptable.

- C. Double Quantification Evaluation
Verified Exceedances (SSI) for **VOC** include:
None.

Wells in the Assessment Monitoring System

- A. Interwell Statistical Evaluation
Verified Prediction Limit Exceedances (SSI) for **inorganic** compounds:
MW90-4 – Barium
MW90-7 – Cobalt, Nickel
MW91-14 – Nickel

B. Intrawell Statistical Evaluation

Verified Control Limit Exceedances (SSI) for **inorganic** compounds:
None.

C. Double Quantification Evaluation

Verified Exceedances (SSI) for VOC include:
None.

There were no 95% LCL values that exceeded a GWPS (inorganic or VOC).

There are no on-going requirements to collect samples for any additional Appendix I or Appendix II compounds during semi-annual monitoring events based on historic sampling data.

Bis(2-ethylhexyl) Phthalate Detection (ug/L) Summary (green highlights indicate full Appendix II sample events)

Date	MW90-4	MW90-7	MW90-14	MW91-19
6/9/2008	<10	<10	<10	<10
9/24/2012	NT	NT	NT	NT
4/24/2013	NT	NT	NT	NT
9/20/2013	NT	NT	<10	NT
4/8/2014	NT	<8	NT	<8
9/22/2014	NT	NT	NT	NT
3/20/2015	NT	NT	NT	NT
9/17/2015	NT	NT	NT	NT
3/17/2016	<8	NT	NT	NT
8/26/2016	NT	NT	NT	NT
4/11/2017	NT	NT	NT	NT
9/23/2017	NT	NT	NT	NT
4/10/2018	NT	NT	NT	NT
9/24/20	NT	NT	12.0	NT
11/1/2018	NT	NT	21.0	NT
4/16/2019	NT	9.0	6.0	NT
6/25/2019	NT	11.0	NT	NT
8/29/2019	NT	15.0	9.0	NT
4/10/2020	NT	7.0	<6	NT
10/9/2020	NT	<6	<6	NT
4/9/2021	9.0	7.0	<6	NT
10/11/2021	NT	<6	<6	NT
4/7/2022	<6	<6	NT	NT
10/6/2022	14.0	<6	NT	NT
4/5/2023	<6	NT	NT	<6
10/13/2023	<6	NT	<6	NT
4/18/2024	NT	18.0	NT	13.0
10/15/2024	NT	<6	NT	<6
4/16/2025	NT	NT	NT	NT
10/27/2025	NT	NT	NT	NT
4/8/2026	<6	NT	NT	NT

Wells returning to the detection monitoring system

None.

This notification is intended to satisfy requirements of Iowa Administrative Code (IAC) 567-113.10(5)"c"(1); 113.10(6)"d"(1); and 113.10(6)"g".

The water quality results for the Spring of 2026 will be fully evaluated in the Annual Water Quality Report in accordance with the permit and IAC 567-113.10(10).

Please feel free to contact our office at (515) 733-4144 with any questions you may have.

Sincerely,
HLW Engineering Group



Todd Whipple, CPG
Project Manager

cc: Ms. Tami Anderson, Director

**Results of the Ground Water Statistics
for Audubon County Sanitary Landfill**

First Semi-Annual Monitoring Event in 2026

Prepared for:
Audubon County Solid Waste Management Commission
1881 215th Street
Audubon, Iowa

Prepared by:
Jeffrey A. Holmgren
Otter Creek Environmental Services, L.L.C.
Elgin, IL
(847) 464-1355

May 2026

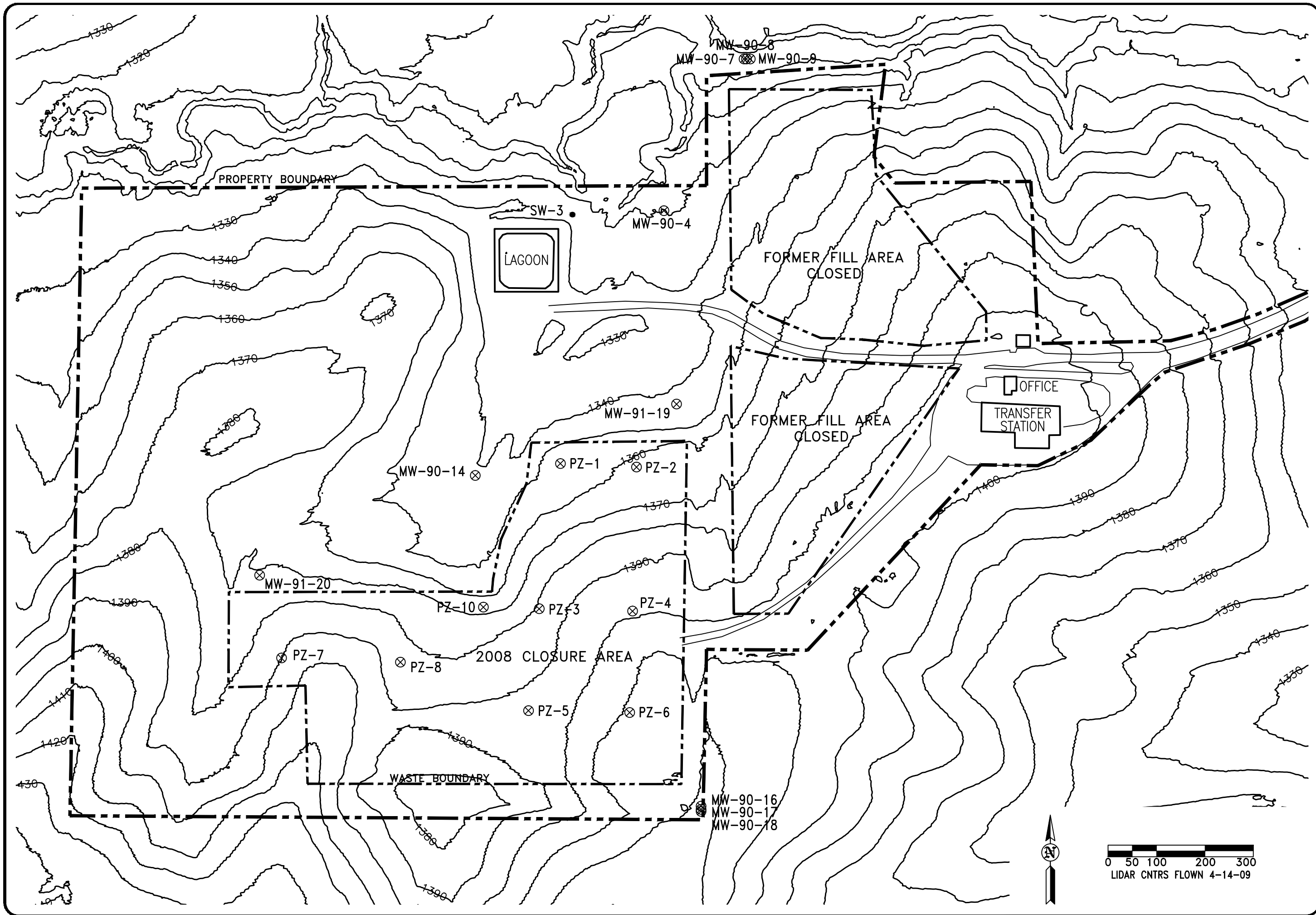
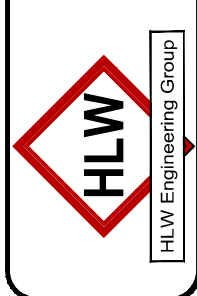


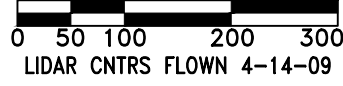
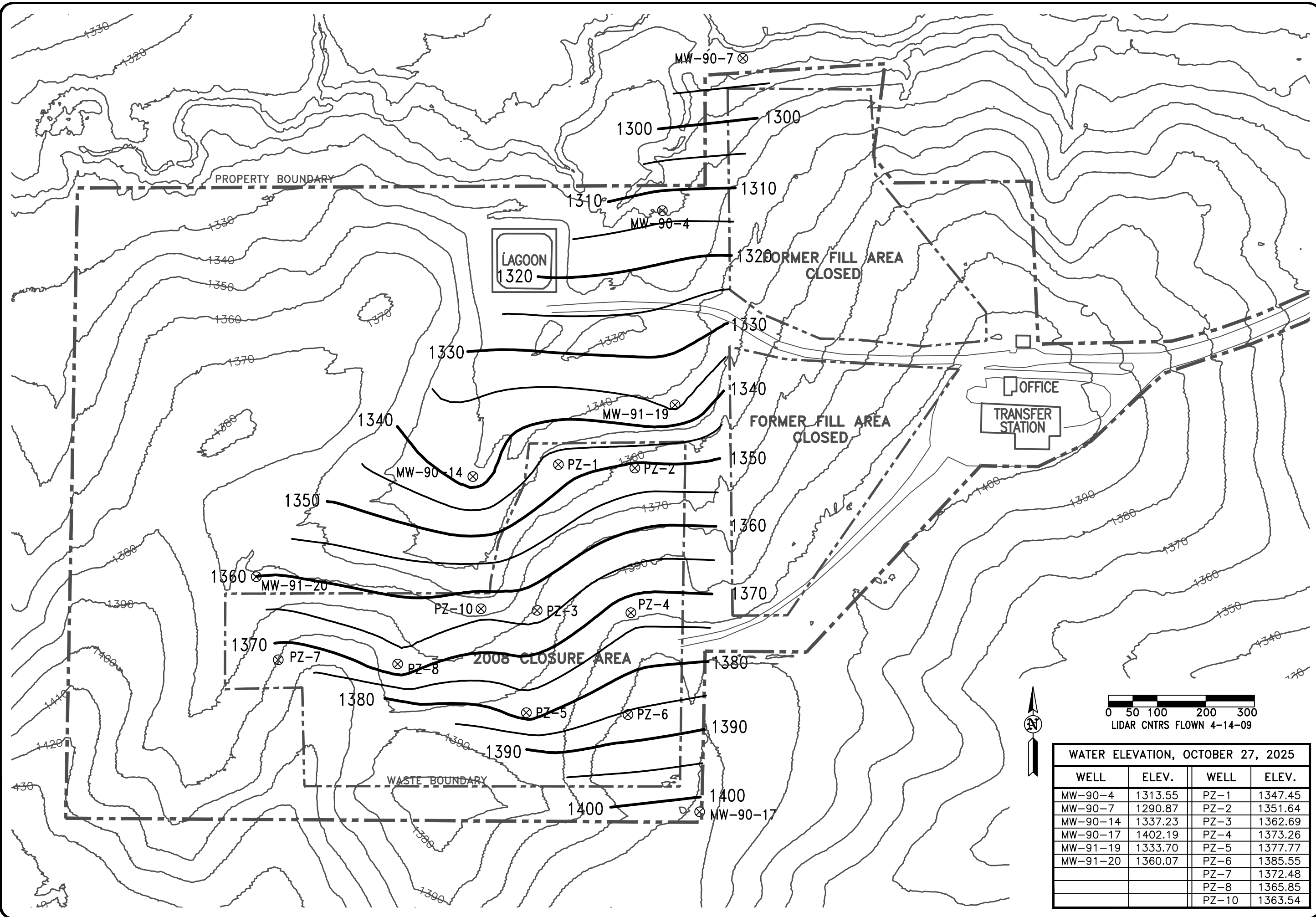
FIGURE: 1

REVISION	NO.	DATE
DRAWN	PROJECT NO. 6050	DATE 12-8-25
DRA		

SITE PLAN
AUDUBON COUNTY SANITARY LANDFILL
AUDUBON, IOWA

HLW Engineering Group
 204 West Broad Street, P.O. Box 314
 Story City, Iowa 50248
 Phone: (515) 733-4144
 FAX: (515) 733-4146





WATER ELEVATION, OCTOBER 27, 2025			
WELL	ELEV.	WELL	ELEV.
MW-90-4	1313.55	PZ-1	1347.45
MW-90-7	1290.87	PZ-2	1351.64
MW-90-14	1337.23	PZ-3	1362.69
MW-90-17	1402.19	PZ-4	1373.26
MW-91-19	1333.70	PZ-5	1377.77
MW-91-20	1360.07	PZ-6	1385.55
		PZ-7	1372.48
		PZ-8	1365.85
		PZ-10	1363.54

REVISION		NO.	DATE
DRAWN		PROJECT NO.	DATE
DRA		6050	12-8-25

FIGURE: 2

GROUNDWATER CONTOURS

AUDUBON COUNTY SANITARY LANDFILL
AUDUBON, IOWA

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