

Haley Griffith (adpce.ad)

From: Acree, Matt J <Matt.Acree@terracon.com>
Sent: Friday, March 14, 2025 3:33 PM
To: EE GW Reports
Cc: Jaros, David G.
Subject: Little Rock Landfill Water Level Report (AFIN: 60-01071)
Attachments: CoLR 4th Quarter Water Level Report.pdf

To whom it may concern,

Please find the 4th Quarter of 2024 water level data for the City of Little Rock Landfill (AFIN: 60-01071) measured on November 8, 2024.

If you have any questions or concerns, please contact either myself or David Jaros (david.jaros@terracon.com).

Thank you,

Matt Acree, P.G.

Staff Geologist



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Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.



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March 14, 2025

Office of Land Resources
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72218-5317

Attn: Mr. Bill Sadler
gwreports@adeq.state.ar.us

Subject: Fourth Quarter 2024 Water Level Measurements for the City
of Little Rock Landfill
Solid Waste Permit # 0266-S
AFIN # 60-01071

Mr. Sadler:

Terracon Consultants, Inc. (Terracon) recently completed the Fourth Quarter 2024 water level measurements at the City of Little Rock Landfill. Terracon is submitting these water level measurements to your office as required by Condition #16 of the Solid Waste Permit. Water level elevations are presented in Table 1. Based upon the water level measurements recorded from the piezometers and monitoring wells on November 8, 2024, an inward hydraulic gradient is being maintained by the gradient control sumps. This is illustrated in the potentiometric surface maps labeled Figure 1 and Figure 2.

If you have any questions or comments regarding this matter, please feel free to contact me or David Jaros at your convenience.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read "Matt Acree".

Matt Acree, P.G.
Project Geologist

A handwritten signature in black ink, appearing to read "David Jaros".

David Jaros, P.G.
Project Manager

*Attachments: Figure 1 – Potentiometric Surface Map – Lower Flow
Figure 2 – Potentiometric Surface Map – Upper Flow
Table 1 - Water Level Elevations*

cc: Bernard Owens- City of Little Rock Landfill

MONITORING WELL WATER LEVEL DATA



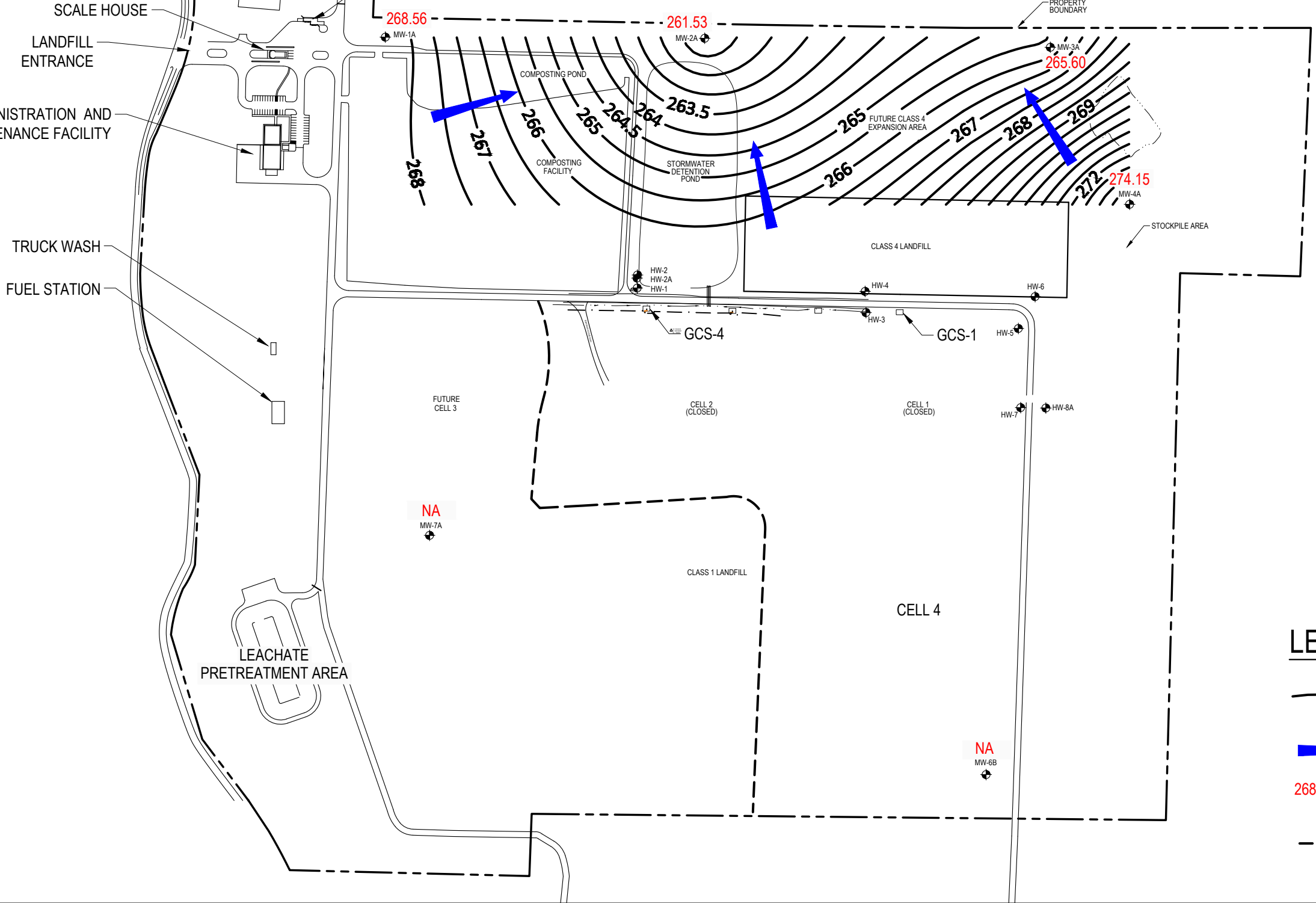
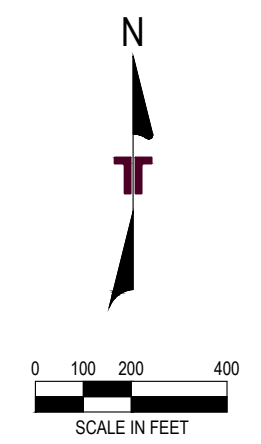
Project Name: Little Rock GW	Project Number: 35247081	Technician(s): WW	Date: 11/8/2024
Weather: Overcast, 60°	Measuring Device: Geotech WL Meter	Page <u>1</u> of <u>1</u>	

Well ID	Date	Time	Depth to Water (ft from TOC)	Damages/Repairs
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HW-1	11/08/2024	0931	13.25	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-2	11/08/2024	0936	7.09	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-2A	11/08/2024	0942	10.44	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-3	11/08/2024	0947	17.61	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-4	11/08/2024	0952	7.88	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-5	11/08/2024	0958	12.98	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-6	11/08/2024	1005	10.96	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-7	11/08/2024	1012	22.89	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
HW-8A	11/08/2024	1017	18.19	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-1A	11/08/2024	0918	14.79	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-2A	11/08/2024	1051	18.93	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-3A	11/08/2024	1040	30.94	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-4A	11/08/2024	1032	29.78	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-6B	11/08/2024	1025	Dry	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record
MW-7A	11/08/2024	1100	Dry	<input type="checkbox"/> Damaged well pad/casing <input type="checkbox"/> Damaged bollards <input type="checkbox"/> Damaged equipment <input type="checkbox"/> Damaged T.O.C. <input type="checkbox"/> Damaged lock <input type="checkbox"/> Un-kept vegetation <input type="checkbox"/> Lacks visibility <input type="checkbox"/> Lacks access <input type="checkbox"/> See GW sampling record

*Top of pump, water elevation was below

COLLECTION VEHICLE PARKING
 COLLECTIONS BUILDING
 SCALE HOUSE
 LANDFILL ENTRANCE
 ADMINISTRATION AND MAINTENANCE FACILITY
 TRUCK WASH
 FUEL STATION



- LEGEND**
- 275 POTENTIOMETRIC SURFACE CONTOUR (fmsl)
 - GROUNDWATER FLOW DIRECTION
 - 268.56 MW-1A MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
 - WASTE MASS BOUNDARY

REV.	DATE	BY	DESCRIPTION

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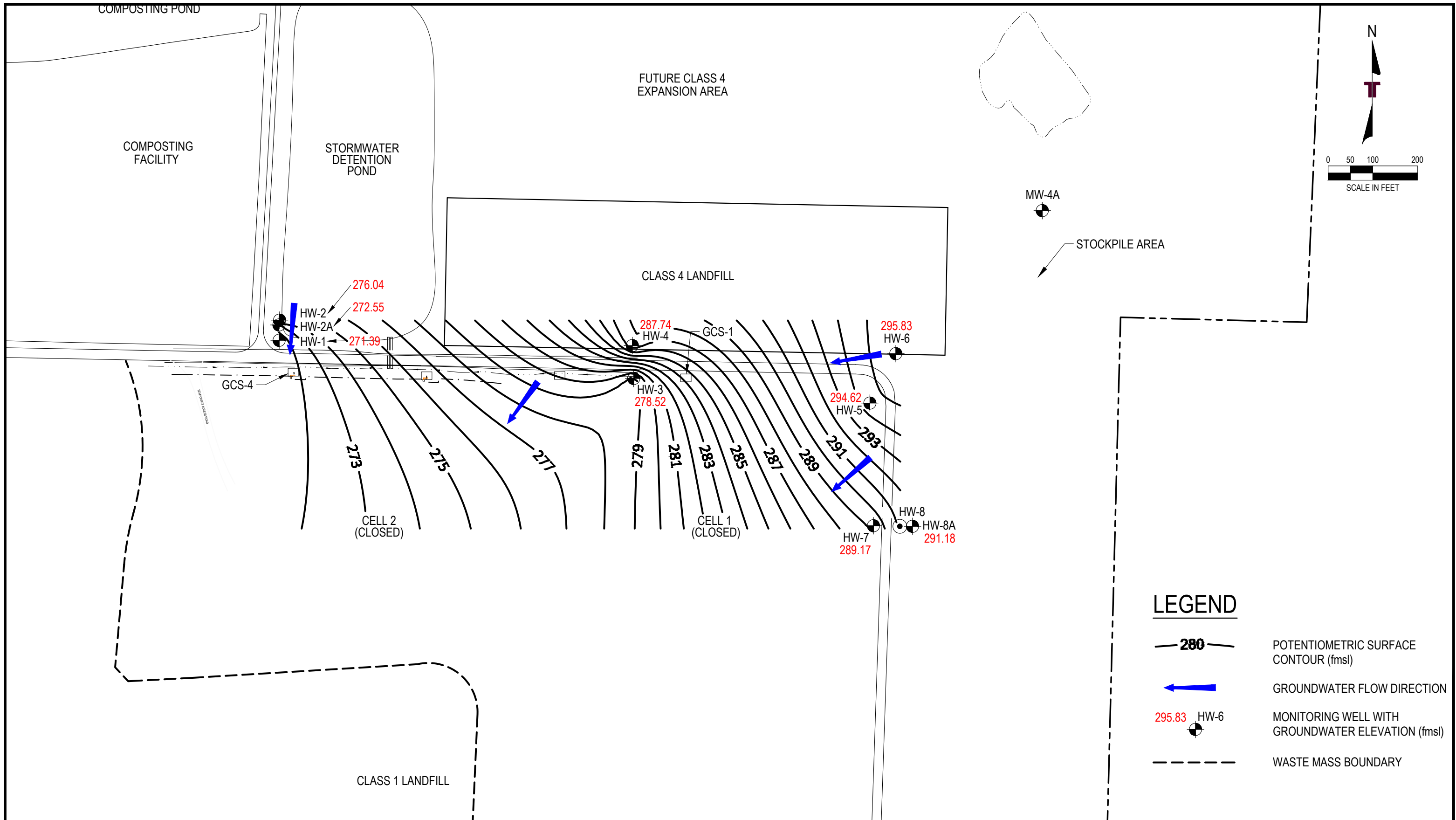
FOURTH QUARTER 2024 POTENTIOMETRIC SURFACE MAP - LOWER FLOW REGIME

CITY OF LITTLE ROCK
 CLASS 1 LANDFILL




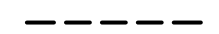
LITTLE ROCK ARKANSAS

FIGURE 1

DESIGNED BY:	PTG
DRAWN BY:	PTG
APPVD. BY:	DGJ
SCALE:	AS SHOWN
DATE:	3/10/2025
JOB NO.:	018-001-35957056C
ACAD NO.:	149
SHEET NO.:	OF



LEGEND

-  POTENTIOMETRIC SURFACE CONTOUR (fmsl)
-  GROUNDWATER FLOW DIRECTION
-  MONITORING WELL WITH GROUNDWATER ELEVATION (fmsl)
-  WASTE MASS BOUNDARY

REV.	DATE	BY	DESCRIPTION



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FOURTH QUARTER 2024 POTENTIOMETRIC SURFACE MAP - UPPER FLOW REGIME

CITY OF LITTLE ROCK
 CLASS 1 LANDFILL

LITTLE ROCK ARKANSAS

FIGURE 2

DESIGNED BY:	PTG
DRAWN BY:	PTG
APPVD. BY:	DGJ
SCALE:	AS SHOWN
DATE:	3/10/2025
JOB NO.:	018-001-35957056C
ACAD NO.:	150
SHEET NO.:	OF