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August 18, 2022

Mr. Kenn Smith
Manager
Bureau of Land, Permits Section
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, IL 62702

Subject: **Zion Landfill Site 2 North Expansion Permit Application**
Determination of Incompleteness Received August 18, 2022
Permit No. 1995-343-LFM, Log No. 2022-254

Dear Mr. Smith:

On behalf of Zion Landfill, Inc., Aptim Environmental & Infrastructure, LLC (APTIM) is submitting this response to the Determination of Incompleteness (DOI) letter recently provided by the Illinois Environmental Protection Agency (IEPA) regarding the permit application to expand Zion Landfill.

Response to Comment

1. *IEPA Comment: The Certification of Siting Approval (LPC-PA8) is incomplete. The certification has not been signed or dated by Ms. Sheryl Spooner, Zion City Clerk. Please resubmit the LPC-PA8 signed, dated, and stamped by a Notary Public. Also, please include a copy of specific conditions from the local siting authority.*

   Applicant Response: The permit application inadvertently excluded the signed version of the LPC-PA8. The signed LPC-PA8 is attached to this response. The siting conditions are provided as an attachment to the LPC-PA8 form.

We are hopeful that the Illinois Environmental Protection Agency (IEPA) will find that this response is sufficient to address the DOI, and we look forward to working with the IEPA on this project. If you have any questions, please do not hesitate to contact me at (630) 762-3322.

Sincerely,
Aptim Environmental & Infrastructure, LLC

Martin N. Fallon
Project Manager

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Certification of Siting Approval
(LPC-PA8)

This form is to be used to demonstrate compliance with the siting requirements of the Act for new pollution control facilities. Failure to submit this form when required is cause for an application to be deemed incomplete or denied.

NOTE: Please complete this form online, save a copy locally, print and submit to the Permit Section #33, at the above address.

Siting Applicant Information

Name: Zion Landfill, Inc. Address 1: 701 Green Bay Road

Address 2: City: Zion State: IL Zip Code: 60099

Site Information

Site Name: Zion Landfill Site Number (if assigned): 0978020002

Nearest Municipality: City of Zion County: Lake

1. On March 22, 2022 (Date) the Zion City Council (Governing body of county or municipality) of City of Zion (County or Municipality) approved the site location suitability of Zion Landfill Site 2 North Expansion (Name of Site) as a new pollution control facilty in accordance with Section 39.2 of the Environmental Protection Act (415 ILCS 5/39.2).

2. Because the Illinois EPA may need to verify the information on this form, please indicate a person from the unit of local government ("siting authority") whom a representative from the Illinois EPA may contact regarding this approval.

Name: Billy McKinney Title: Mayor

Address: 2828 Sheridan Road City: Zion State: IL Zip Code: 60099

Email Address: billym@zion.il.us Phone: 847-746-4012

3. Identify the type of activity(ies) for which siting approval was obtained:
   - ○ Waste Storage
   - ○ Waste Transfer
   - ☑ Sanitary Landfill
   - ○ Waste Treatment
   - ☑ Waste Disposal
   - ○ Waste Incinerator

4. Did the local siting authority approve the acceptance of special waste? ☑ Yes ○ No

   Did the local siting authority approve the acceptance of hazardous waste? ○ Yes ☑ No

5. Attached to this certification is a true and accurate statement of the legal descriptions of the site as it was approved by the aforementioned local siting authority. (Note: A legal description must be attached to this document, from the local siting authority, to make the application complete. ☑ Yes ○ No

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

6. Did the local siting authority impose any specific conditions? ☑ Yes ☐ No

   If so, is a copy of the conditions attached to this form? ☑ Yes ☐ No

   (Note: These conditions are provided for information only to the Illinois EPA. The Illinois EPA is not obligated to monitor nor enforce local conditions.)

7. **This item is applicable only to landfills or disposal sites.**

   Were horizontal waste disposal unit boundaries approved? ☑ Yes ☐ No ☐ NA

   Were vertical waste disposal unit boundaries approved? ☑ Yes ☐ No ☐ NA

   Was a maximum disposal capacity approved (for the facility or per disposal unit?) ☑ Yes ☐ No ☐ NA

If any of the questions under #7 above were answered "yes," the siting application documents that define the subject limits must be attached to this form by the the local siting authority (e.g., legal descriptions, plan sheets, topographic drawings, etc.).

8. The undersigned has been authorized by the Zion City Council of
   (Governing body of county or municipality)
   City of Zion to execute this certification on their behalf.
   (County or Municipality)

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Billy McKinney — Signature:

May 6, 2022 — Date:

Billy McKinney — Printed Name:

Mayor — Title:

Subscribed and Sworn before me this 6th day of May 2022

My commission expires on: 5/29/23

OFFICIAL SEAL
Sheryl A Spooner
Notary Public, State of Illinois
Lake County
Seal
My Commission Expires 05/29/2023

Signature of Notary Public

Attachment to Question 5

The legal description of the expanded facility boundary and the facility boundary survey are attached hereto. The legal description and survey of the facility boundary were contained within Appendix D of the Siting Application submitted to the Zion City Council.

ZION LANDFILL SITE 2 NORTH EXPANSION

LEGAL DESCRIPTION OF EXPANDED FACILITY BOUNDARY

PARCEL 1:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 12, TOWNSHIP 46 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN LYING EAST OF THE CENTERLINE OF GREEN BAY ROAD, IN LAKE COUNTY, ILLINOIS.

PARCEL 2:
THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, ILLINOIS.

PARCEL 3:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 7 TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHEAST QUARTER; THENCE WEST ALONG THE SECTION LINE TO THE EAST LINE OF THE WEST 75 ACRES OF SAID NORTHEAST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID WEST 75 ACRES, 1243 FEET (1243.43 FEET MEASURED); THENCE EAST 1402.5 FEET (1385.48 FEET MEASURED) TO THE SOUTHWEST COMER OF FORMAN'S SUBDIVISION; THENCE NORTH 1244.04 FEET, MORE OR LESS, TO THE POINT OF BEGINNING (EXCEPT THAT PART OF THE ABOVE DESCRIBED PARCEL DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SECTION 8, ALSO BEING THE NORTHWEST COMER OF LOT 4 IN FORMAN'S SUBDIVISION; THENCE SOUTH O DEGREES 21 MINUTES 58 SECONDS WEST ALONG THE WEST LINE OF SECTION 8, 609.95 FEET; THENCE SOUTH 89 DEGREES 38 MINUTES 02 SECONDS WEST, 180.0 FEET; THENCE NORTH O DEGREES 21 MINUTES 58 SECONDS WEST ON A LINE PARALLEL TO THE WEST LINE OF LOT 4, 370.30 FEET; THENCE WEST PARALLEL TO THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 7, 34.50 FEET; THENCE NORTH O DEGREES 21 MINUTES 58 SECONDS WEST 241.25 FEET (241.39 FEET MEASURED), MORE OR LESS TO THE NORTH LINE OF SAID SECTION 7; THENCE EAST ALONG SAID NORTH LINE, 214.50 FEET, TO THE POINT OF BEGINNING), TOGETHER WITH THE WEST 75 ACRES OF THE NORTHEAST QUARTER OF SECTION 7, ALL IN TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, ILLINOIS.

PARCEL 4:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 7 AND OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 46 NORTH, RANGE I 2, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: TO--WIT; BEGINNING AT A POINT ON THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 7, AFORESAID, 75 1/3 RODS (1243 FEET), (1244.04 FEET MEASURED) SOUTH OF THE NORTH LINE OF SAID QUARTER SECTION; RUNNING THENCE WEST ON A LINE PARALLEL WITH THE NORTH LINE OF SAID QUARTER SECTION, 85 RODS (1402.5 FEET), (1385.48 FEET MEASURED); THENCE SOUTH ON A LINE PARALLEL WITH THE WEST LINE OF SAID QUARTER SECTION, 40 RODS (660 FEET), (658.85 FEET MEASURED); THENCE EAST ON A LINE PARALLEL WITH THE NORTH LINE AFORESAID, (1386.73 FEET MEASURED) TO O POINT ON THE EAST LINE OF SAID NORTHEAST QUARTER; THENCE NORTH ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 7, A DISTANCE OF 297.0 FEET, (297.23 FEET MEASURED); THENCE EAST PARALLEL WITH THE NORTH LINE OF SAID QUARTER SECTION FOR A DISTANCE OF (224.78 FEET MEASURED) TO THE WEST RIGHT--OF--WAY

04-05-300-023
THE SOUTH 157.3 FEET OF THE NORTH 314.6 FEET OF THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID WEST FRACTIONAL HALF OF SECTION 5, AND RUNNING THENCE NORTH ALONG THE WEST LINE OF SAID SECTION, 65 RODS AND 15 LINKS (1082.4 FEET); THENCE EAST 19 RODS AND 15 LINKS (323.4 FEET); THENCE SOUTH 1 DEGREE 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION; THENCE WEST ON THE SOUTH LINE OF SAID SECTION TO THE PLACE OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-012
(EXCEPT THE NORTH 314.6 FEET) THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTHWEST CORNER OF SAID FRACTIONAL HALF OF SAID SECTION 5, AND RUNNING THENCE NORTH ON THE WEST LINE OF SAID SECTION, 65 RODS AND 15 LINKS (1082.4 FEET); THENCE EAST 19 RODS AND 15 LINKS (323.4 FEET); THENCE SOUTH 1 DEGREE AND 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION, AND THENCE WEST ALONG THE SOUTH LINE OF SAID SECTION TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS

PARCEL 9:
04-07-200-011
THAT PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12, EAST, OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID SECTION 7, 154.0 FEET; THENCE WEST ALONG THE NORTH LINE OF A CERTAIN PARCEL 2 OF A PLAT OF DEDICATION RECORDED JUNE 18, 1974, AS DOCUMENT No. 1668365, IN BOOK 53 OF PLATS, PAGE 66, 7.65 FEET; THENCE SOUTHWESTERLY ALONG THE NORTHWESTERLY LINE OF SAID PARCEL 2, 192.41 FEET; THENCE WEST PARALLEL TO THE NORTH LINE OF SAID SECTION 7; THENCE EAST ALONG SAID NORTH LINE 215.5 FEET TO THE POINT OF BEGINNING, ALL IN LAKE COUNTY, ILLINOIS.

AND

04-08-101-001
THE NORTH 154 FEET OF LOT 4 IN FORMAN'S SUBDIVISION, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED NOVEMBER 26, 1958, AS DOCUMENT No. 1012214, IN BOOK 1666 OF RECORDS, PAGE 664, IN LAKE COUNTY, ILLINOIS.

LINE OF KENOSHA ROAD, 40 FEET DISTANT FROM THE CENTERLINE OF SAID ROAD; THENCE NORTH ALONG SAID WESTERLY RIGHT--OF--WAY LINE, A DISTANCE OF 354.37 FEET, MORE OR LESS, TO A POINT BEARING SOUTH 88 DEGREES 21 MINUTES 34 SECONDS EAST FROM THE POINT OF BEGINNING, ALSO BEING THE SOUTHEASTERLY CORNER OF LOT 1 IN FORMAN'S SUBDIVISION; THENCE NORTH 88 DEGREES 21 MINUTES 34 SECONDS WEST, 232.30 FEET, (233.31 FEET MEASURED), TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

PARCEL 5:
LOT 1, LOT 2, LOT 3 AND THE SOUTH 164 FEET OF LOT 4 (AS MEASURED ALONG THE WEST LINE THEREOF) ALL IN FORMAN'S SUBDIVISION, BEING A SUBDIVISION IN THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED NOVEMBER 26, 1958, AS DOCUMENT NO. 1012214, IN BOOK 1666 OF RECORDS, PAGE 664, IN LAKE COUNTY, ILLINOIS.

PARCEL 6:
THE EAST FRACTIONAL HALF (EXCEPT THE WEST 50 RODS THEREOF) OF FRACTIONAL SECTION 6, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN IN LAKE COUNTY, ILLINOIS.

PARCEL 7:
04-05-300-001
THAT PART OF FRACTIONAL SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG THE WEST LINE OF SECTION 5, FOR A DISTANCE OF 284.12 FEET; THENCE EASTERLY ALONG A LINE PARALLEL WITH THE NORTH LINE OF SECTION 5 TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG THE CENTER LINE OF KENOSHA ROAD TO THE NORTH LINE OF SECTION 5; THENCE WEST ALONG THE NORTH LINE OF SECTION 5 TO THE PLACE OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

PARCEL 8:
04-05-300-007
BEGINNING AT A POINT ON THE WEST LINE OF SAID FRACTIONAL SECTION 5, 758.8 FEET SOUTH OF THE NORTHWEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG SAID WEST LINE FOR A DISTANCE OF 535.0 FEET; THENCE EAST ALONG A LINE WHICH FORMS AN ANGLE OF 90 DEGREES 08 MINUTES WITH SAID WEST SECTION LINE, MEASURED FROM NORTH TO EAST FOR A DISTANCE OF 331.4 FEET TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG SAID CENTER LINE OF KENOSHA ROAD FOR A DISTANCE OF 535.0 FEET TO A POINT 754 FEET SOUTH, MEASURED ALONG SAID CENTERLINE, FROM THE NORTH LINE OF SAID FRACTIONAL SECTION 5; THENCE WEST 343.7 FEET TO THE POINT OF BEGINNING, (EXCEPT THE NORTH 130 FEET AND EXCEPT THE SOUTH 271.48 FEET THEREOF), IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-008
THAT PART OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING WEST OF THE PUBLIC HIGHWAY PARTICULARLY

DESCRIBED AS FOLLOWS TO-WIT: BEGINNING AT A POINT IN THE WEST LINE OF SAID SECTION 5, 758.8 FEET SOUTH OF THE CENTER OF THE STATE LINE ROAD, MARKED BY AN IRON PIPE RUNNING THENCE SOUTH ALONG AND UPON THE WEST LINE OF SAID SECTION 5, A DISTANCE OF 535 FEET; RUNNING THENCE EAST A DISTANCE OF 331.4 FEET, TO THE CENTER OF SAID PUBLIC HIGHWAY, KNOWN AS KENOSHA ROAD: RUNNING THENCE NORTHERLY ALONG THE CENTER OF SAID PUBLIC HIGHWAY A DISTANCE OF 535 FEET; THENCE RUNNING WEST A DISTANCE OF 343.7 FEET TO THE POINT OF BEGINNING (EXCEPT THE NORTH 260 FEET THEREOF AND EXCEPT THE SOUTH 136.48 FEET OF THE 535 FEET) IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-009
THE SOUTH 136.48 FEET (MEASURED AT RIGHT ANGLES TO THE SOUTH LINE) OF THE FOLLOWING DESCRIBED TRACT OF LAND: THAT PART OF THE WEST HALF OF FRACTIONAL SECTION 5, TOWNSHIP46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON THE WEST LINE OF SAID FRACTIONAL SECTION 5, 758.8 FEET SOUTH OF THE NORTH WEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG SAID WEST SECTION LINE FOR A DISTANCE OF 535.00 FEET; THENCE EAST ALONG A LINE WHICH FORMS AN ANGLE OF 90 DEGREES 08 MINUTES WITH SAID WEST SECTION LINE, MEASURED FROM NORTH TO EAST FOR A DISTANCE OF 331.4 TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG SAID CENTER LINE OF KENOSHA ROAD FOR A DISTANCE OF 535.0 FEET TO A POINT 754.21 FEET SOUTH MEASURED ALONG SAID ROAD CENTER LINE, FROM THE NORTH LINE OF SAID FRACTIONAL SECTION5; THENCE WEST 343.7 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-010
THE SOUTH 2 ACRES OF THE FOLLOWING DESCRIBED PREMISES (TAKEN AS A TRACT) TO WIT: THAT PART OF LOTS 1 AND 2 IN THE WEST HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING WEST OF THE CENTER LINE OF THE PUBLIC HIGHWAY (EXCEPT THE SOUTH 65 RODS AND 5 LINKS THEREOF) IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-022
THE NORTH 157.3 FEET OF THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH WEST CORNER OF SAID WEST FRACTIONAL HALF OF SECTION 5, AND RUNNING THENCE NORTH ALONG THE WEST LINE OF SAID SECTION, 65 RODS AND 15 LINKS (1,082.4 FEET); THENCE EAST 19 RODS AND 15 LINKS (323.4 FEET); THENCE SOUTH 1 DEGREE 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION, THENCE WEST ON THE SOUTH LINE OF SAID SECTION TO THE PLACE OF BEGINNING, EXCEPT THE EAST 40 FEET THEREFOR TAKEN FOR ROADWAY PURPOSES PER DOCUMENT NUMBER 1324145 IN LAKE COUNTY, ILLINOIS.

AND

PLAT OF SURVEY

LEGAL DESCRIPTION: FACILITY BOUNDARY

PARCEL 1:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 12, TOWNSHIP 46 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN LYING EAST OF THE CENTERLINE OF DEAN BAY ROAD, IN LAKE COUNTY, ILLINOIS.

PARCEL 2:
THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, ILLINOIS.

PARCEL 3:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 7 TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHEAST QUARTER; THENCE WEST ALONG THE SECTION LINE TO THE EAST LINE OF THE WEST 75 ACRES OF SAID NORTHEAST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID WEST 75 ACRES, 1243 FEET (1242.43 FEET MEASURED); THENCE EAST 1402.5 FEET (1380.48 FEET MEASURED) TO THE SOUTHWEST CORNER OF FORMAN'S SUBDIVISION; THENCE NORTH 1244.04 FEET, MORE OR LESS, TO THE POINT OF BEGINNING (EXCEPT THAT PART OF THE ABOVE DESCRIBED PARCEL DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SECTION 8, ALSO BEING THE NORTHWEST CORNER OF LOT 4 IN FORMAN'S SUBDIVISION; THENCE SOUTH 0 DEGREES 21 MINUTES 58 SECONDS WEST ALONG THE WEST LINE OF SAID SECTION 8, 609.65 FEET; THENCE SOUTH 89 DEGREES 38 MINUTES 02 SECONDS EAST, 1402.5 FEET; THENCE NORTH 0 DEGREES 21 MINUTES 58 SECONDS WEST ON A LINE PARALLEL TO THE WEST LINE OF LOT 4, 370.20 FEET; THENCE WEST PARALLEL TO THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 7, 34.50 FEET; THENCE NORTH 0 DEGREES 21 MINUTES 58 SECONDS WEST 241.25 FEET (241.26 FEET MEASURED), MORE OR LESS TO THE NORTH LINE OF SAID SECTION 7; THENCE EAST ALONG SAID NORTH LINE, 214.50 FEET, TO THE POINT OF BEGINNING, TOGETHER WITH THE WEST 75 ACRES OF THE NORTHEAST QUARTER OF SECTION 7, ALL IN TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, ILLINOIS.

PARCEL 4:
THAT PART OF THE NORTHEAST QUARTER OF SECTION 7 AND OF THE NORTHWEST QUARTER OF SECTION 8, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: TO---WIT: BEGINNING AT A POINT ON THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 7, AFORE-S, 79 1/2 RODS (1243 FEET), (1244.04 FEET MEASURED) SOUTH OF THE NORTH LINE OF SAID QUARTER SECTION, RUNNING THENCE WEST ON A LINE PARALLEL WITH THE NORTH LINE OF SAID QUARTER SECTION, 85 RODS (1402.5 FEET), (1380.48 FEET MEASURED); THENCE SOUTH ON A LINE PARALLEL WITH THE WEST LINE OF SAID QUARTER SECTION, 40 RODS (660 FEET), (604.85 FEET MEASURED); THENCE EAST ON A LINE PARALLEL WITH THE NORTH LINE AFORESAID, (1386.72 FEET MEASURED) TO A POINT ON THE EAST LINE OF SAID NORTHEAST QUARTER; THENCE NORTH ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 7, A DISTANCE OF 297.0 FEET, (297.33 FEET MEASURED); THENCE EAST PARALLEL WITH THE NORTH LINE OF SAID QUARTER SECTION FOR A DISTANCE OF 1224.75 FEET MEASURED TO THE WEST RIGHT---OF---WAY LINE OF KENOSHA ROAD, 40 FEET DISTANT FROM THE CENTERLINE OF SAID ROAD; THENCE NORTH ALONG SAID WESTERLY RIGHT---OF---WAY LINE, A DISTANCE OF 934.37 FEET, MORE OR LESS, TO A POINT BEARING SOUTH 89 DEGREES 21 MINUTES 34 SECONDS EAST FROM THE POINT OF BEGINNING, ALSO BEING THE SOUTHEASTERLY CORNER OF LOT 1 IN FORMAN'S SUBDIVISION; THENCE NORTH 89 DEGREES 21 MINUTES 34 SECONDS WEST, 232.30 FEET, (233.21 FEET MEASURED), TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

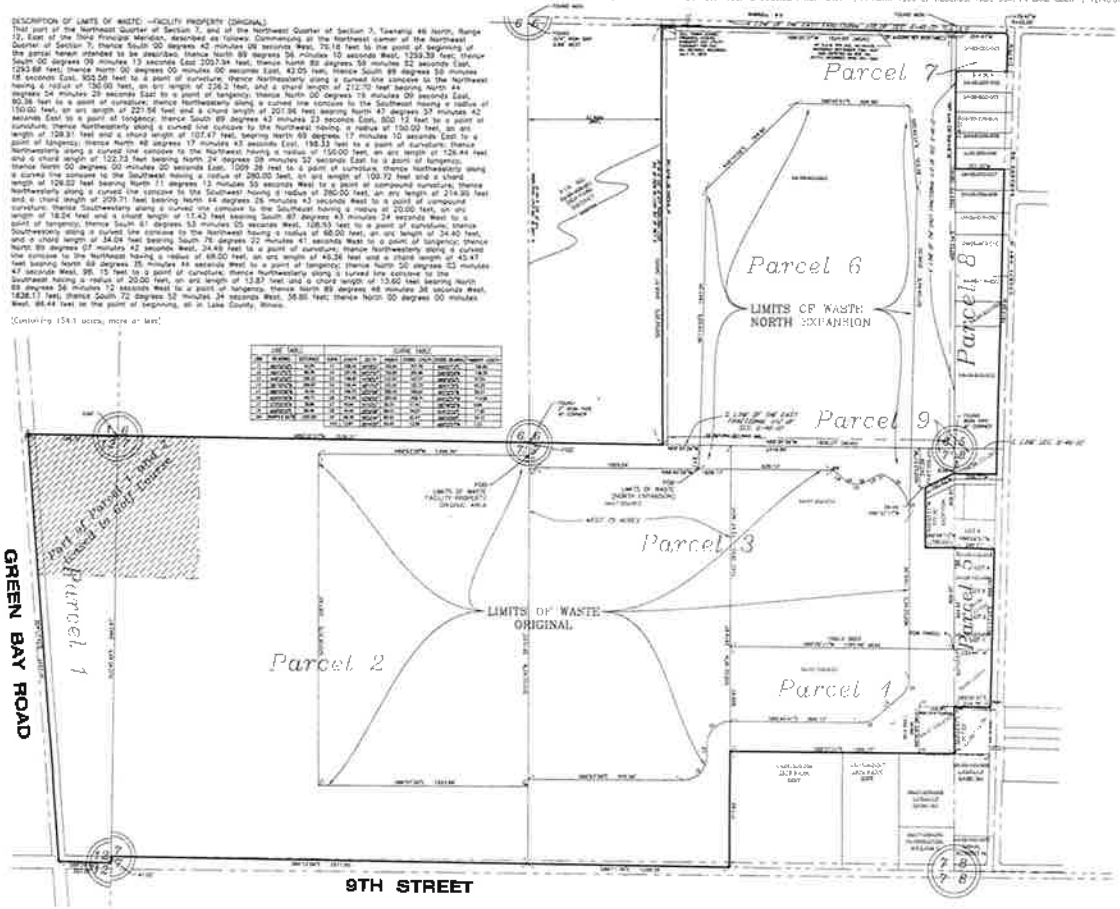
PARCEL 5:
LOT 1, LOT 2, LOT 3 AND ONE SOUTH 184 FEET OF LOT 4 (AS MEASURED ALONG THE WEST LINE THEREOF) ALL IN FORMAN'S SUBDIVISION, BEING A SUBDIVISION IN THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF, RECORDED NOVEMBER 26, 1958, AS DOCUMENT NO. 817771, IN BOOK 1506 OF RECORDS, PAGE 564, IN LAKE COUNTY, ILLINOIS.

DESCRIPTION OF LIMITS OF WASTE: --NORTH EXPANSION
That part of the Northeast Quarter of Section 7, and that part of the East Fractional Section 6, Township 46 North, Range 12, East of the Third Principal Meridian, described as follows: Commencing at the Northeast corner of the Northeast Quarter of Section 7; thence South 00 degrees 02 minutes 43 seconds West, 182.62 feet, thence North 77°20'16" East, 28.88 feet, thence South 89°45'56" East, 1069.04 feet to the point of beginning of the parcel herein intended to be described; thence North 05°13'41" East, 100.22 feet, thence North 01°14'02" East, 1647.28 feet; thence North 46°14'09" East, 368.90 feet; thence South 88°45'51" East, 991.80 feet; thence South 00°49'01" East, 502.39 feet; thence South 01°04'44" East 2048.29 feet, to a point on a curve; thence Northeasterly along a curved line concave to the Southeast having a radius of 280.00 feet, an arc length of 109.72 feet and a chord length of 109.02 feet bearing North 11 degrees 10 minutes 51 seconds West to a point of compound curvature; thence Northeasterly along a curved line concave to the Southeast having a radius of 280.00 feet, an arc length of 214.93 feet and a chord length of 209.71 feet bearing North 34 degrees 23 minutes 37 seconds West to a point of compound curvature; thence Southeasterly along a curved line concave to the Southeast having a radius of 20.00 feet, an arc length of 18.04 feet and a chord length of 17.43 feet bearing South 87 degrees 46 minutes 05 seconds West to a point of tangency; thence South 61 degrees 55 minutes 47 seconds West, 136.93 feet to a point of curvature; thence Southeasterly along a curved line concave to the Northwest having a radius of 68.00 feet, an arc length of 34.40 feet, and a chord length of 34.03 feet bearing South 76 degrees 25 minutes 20 seconds West to a point of tangency; thence North 88 degrees 02 minutes 00 seconds West, 34.49 feet to a point of curvature; thence Northwesterly along a curved line concave to the Northeast having a radius of 68.00 feet, an arc length of 46.36 feet and a chord length of 45.47 feet bearing North 69 degrees 32 minutes 08 seconds West to a point of tangency; thence North 50 degrees 01 minutes 09 seconds West, 89.15 feet to a point of curvature; thence Northwesterly along a curved line concave to the Southwest having a radius of 20.00 feet, an arc length of 13.87 feet and a chord length of 13.59 feet bearing North 69 degrees 53 minutes 07 seconds West to a point of tangency; thence North 89 degrees 45 minutes 56 seconds West, 829.13 feet to the point of beginning, all in Lake County, Illinois.

(Containing 62.2 acres, more or less)

DESCRIPTION OF LIMITS OF WASTE: --FACILITY PROPERTY (ORIGINAL)
That part of the Northeast Quarter of Section 7, and of the Northwest Quarter of Section 7, Township 46 North, Range 12, East of the Third Principal Meridian, described as follows: Commencing at the Northeast corner of the Northeast Quarter of Section 7; thence South 00 degrees 42 minutes 09 seconds West, 75.16 feet to the point of beginning of the parcel herein intended to be described; thence North 89 degrees 56 minutes 10 seconds West, 1259.39 feet; thence South 00 degrees 09 minutes 13 seconds East 2057.94 feet, thence North 89 degrees 50 minutes 52 seconds East, 1293.88 feet; thence North 00 degrees 00 minutes 00 seconds East, 42.05 feet, thence South 89 degrees 56 minutes 18 seconds East, 905.56 feet to a point of curvature; thence Northeasterly along a curved line concave to the Northwest having a radius of 150.00 feet, an arc length of 226.2 feet, and a chord length of 212.70 feet bearing North 44 degrees 04 minutes 29 seconds East to a point of tangency; thence North 00 degrees 19 minutes 09 seconds East, 90.36 feet to a point of curvature; thence Northeasterly along a curved line concave to the Southeast having a radius of 150.00 feet, an arc length of 231.94 feet and a chord length of 201.96 feet bearing North 43 degrees 37 minutes 42 seconds East to a point of tangency; thence South 89 degrees 43 minutes 23 seconds East, 800.12 feet to a point of curvature; thence Northeasterly along a curved line concave to the Northwest having a radius of 150.00 feet, an arc length of 108.91 feet and a chord length of 107.47 feet, bearing North 69 degrees 17 minutes 10 seconds East to a point of tangency; thence North 48 degrees 17 minutes 41 seconds East, 158.58 feet to a point of curvature; thence Northeasterly along a curved line concave to the Northwest having a radius of 150.00 feet, an arc length of 126.44 feet and a chord length of 122.73 feet bearing North 24 degrees 08 minutes 52 seconds East to a point of tangency; thence North 00 degrees 00 minutes 00 seconds East, 1009.28 feet to a point of curvature; thence Northeasterly along a curved line concave to the Southeast having a radius of 280.00 feet, an arc length of 109.72 feet and a chord length of 109.02 feet bearing North 11 degrees 13 minutes 35 seconds West to a point of compound curvature; thence Northeasterly along a curved line concave to the Southeast having a radius of 280.00 feet, an arc length of 214.93 feet and a chord length of 209.71 feet bearing North 44 degrees 26 minutes 43 seconds West to a point of compound curvature; thence Southeasterly along a curved line concave to the Southeast having a radius of 20.00 feet, an arc length of 18.04 feet and a chord length of 17.43 feet bearing South 87 degrees 43 minutes 24 seconds West to a point of tangency; thence South 61 degrees 53 minutes 05 seconds West, 108.53 feet to a point of curvature; thence Southwesterly along a curved line concave to the Northwest having a radius of 68.00 feet, an arc length of 34.40 feet, and a chord length of 34.04 feet bearing South 76 degrees 22 minutes 41 seconds West to a point of tangency; thence North 89 degrees 07 minutes 42 seconds West, 34.49 feet to a point of curvature; thence Northwesterly along a curved line concave to the Northeast having a radius of 68.00 feet, an arc length of 45.24 feet and a chord length of 45.47 feet bearing North 69 degrees 25 minutes 44 seconds West to a point of tangency; thence North 50 degrees 53 minutes 47 seconds West, 98.15 feet to a point of curvature; thence Northwesterly along a curved line concave to the Southwest having a radius of 20.00 feet, an arc length of 13.87 feet and a chord length of 13.60 feet bearing North 69 degrees 56 minutes 12 seconds West to a point of tangency; thence North 89 degrees 46 minutes 36 seconds West, 1828.13 feet; thence South 72 degrees 52 minutes 34 seconds West, 58.85 feet; thence North 00 degrees 00 minutes West, 88.44 feet to the point of beginning, all in Lake County, Illinois.

(Containing 154.1 acres, more or less)



LEGAL DESCRIPTIONS - NORTH EXPANSION BOUNDARY

PARCEL 6
THE EAST 1542.0 FEET (EXCEPT THE WEST 75 RODS THEREOF) OF FRACTIONAL SECTION 6, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN IN LAKE COUNTY, ILLINOIS

PARCEL 7:
ALL OF LOT 1 IN FRACTIONAL SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHWEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG THE WEST LINE OF SECTION 5, FOR A DISTANCE OF 244.15 FEET; THENCE EASTERLY ALONG A LINE PARALLEL WITH THE NORTH LINE OF SECTION 5 TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG THE CENTER LINE OF KENOSHA ROAD TO THE NORTH LINE OF SECTION 5; THENCE WEST ALONG THE NORTH LINE OF SECTION 5 TO THE PLACE OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

PARCEL 8
04-05-300-007
BEGINNING AT A POINT ON THE WEST LINE OF SAID FRACTIONAL SECTION 5, 2598.6 FEET SOUTH OF THE NORTHWEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG SAID WEST LINE FOR A DISTANCE OF 535.0 FEET; THENCE EAST ALONG A LINE WHICH FORMS AN ANGLE OF 90 DEGREES 00 MINUTES WITH SAID WEST SECTION LINE, MEASURED FROM NORTH TO EAST FOR A DISTANCE OF 331.4 FEET TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG SAID CENTER LINE OF KENOSHA ROAD FOR A DISTANCE OF 535.6 FEET TO A POINT 2124 FEET SOUTH, MEASURED ALONG SAID CENTERLINE, FROM THE NORTH LINE OF SAID FRACTIONAL SECTION 5; THENCE WEST 343.7 FEET TO THE POINT OF BEGINNING (EXCEPT THE NORTH 130 FEET AND EXCEPT THE SOUTH 271.46 FEET THEREOF), IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-008
THAT PART OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING WEST OF THE PUBLIC HIGHWAY PARTICULARLY DESCRIBED AS FOLLOWS: TO-WIT: BEGINNING AT A POINT IN THE WEST LINE OF SAID SECTION 5, 2598.6 FEET SOUTH OF THE CENTER OF THE STATE ROAD, MARKED BY AN IRON PIPE RUNNING THENCE SOUTH ALONG AND UPON THE WEST LINE OF SAID SECTION 5, A DISTANCE OF 535 FEET; RUNNING THENCE EAST A DISTANCE OF 331.4 FEET TO THE CENTER OF SAID PUBLIC HIGHWAY, KNOWN AS KENOSHA ROAD; RUNNING THENCE NORTHERLY ALONG THE CENTER OF SAID PUBLIC HIGHWAY A DISTANCE OF 535 FEET; THENCE RUNNING WEST A DISTANCE OF 343.7 FEET TO THE POINT OF BEGINNING (EXCEPT THE NORTH 292 FEET THEREOF AND EXCEPT THE SOUTH 136.48 FEET OF THE 535 FEET) IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-009
THE SOUTH 136.48 FEET (MEASURED AT RIGHT ANGLES TO THE SOUTH LINE) OF THE FOLLOWING DESCRIBED TRACT OF LAND: THAT PART OF THE WEST HALF OF FRACTIONAL SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT A POINT ON THE WEST LINE OF SAID FRACTIONAL SECTION 5, 2598.6 FEET SOUTH OF THE NORTHWEST CORNER OF SAID FRACTIONAL SECTION 5; THENCE SOUTH ALONG SAID WEST SECTION LINE FOR A DISTANCE OF 535.00 FEET; THENCE EAST ALONG A LINE WHICH FORMS AN ANGLE OF 90 DEGREES 00 MINUTES WITH SAID WEST SECTION LINE, MEASURED FROM NORTH TO EAST FOR A DISTANCE OF 331.4 TO THE CENTER LINE OF KENOSHA ROAD; THENCE NORTHERLY ALONG SAID CENTER LINE OF KENOSHA ROAD FOR A DISTANCE OF 535.6 FEET TO A POINT 2124.21 FEET SOUTH, MEASURED ALONG SAID ROAD CENTER LINE, FROM THE NORTH LINE OF SAID FRACTIONAL SECTION 5; THENCE WEST 343.7 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-022
THE SOUTH 292 FEET OF THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH WEST CORNER OF SAID WEST FRACTIONAL HALF OF SECTION 5; AND RUNNING THENCE NORTH ALONG THE WEST LINE OF SAID SECTION, 65 RODS AND 15 LINKS (1082.5 FEET); THENCE EAST IN RODS AND 15 LINKS (1023.4 FEET); THENCE SOUTH 1 DEGREE 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION; THENCE WEST ON THE SOUTH LINE OF SAID SECTION TO THE PLACE OF BEGINNING, EXCEPT THE EAST 40 FEET THEREOF TAKEN FOR ROADWAY PURPOSES PER DOCUMENT NUMBER 1324145 IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-023
THE SOUTH 1 RODS (16.5 FEET) OF THE NORTH 21 RODS (346.5 FEET) OF THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH WEST CORNER OF SAID WEST FRACTIONAL HALF OF SECTION 5; AND RUNNING THENCE NORTH ON THE WEST LINE OF SAID SECTION 65 RODS AND 15 LINKS (1082.5 FEET); THENCE EAST IN RODS AND 15 LINKS (1023.4 FEET); THENCE SOUTH 1 DEGREE 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION; THENCE WEST ON THE SOUTH LINE OF SAID SECTION TO THE PLACE OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-300-024
THE SOUTH 1 RODS (16.5 FEET) OF THE NORTH 21 RODS (346.5 FEET) OF THAT PART OF THE WEST FRACTIONAL HALF OF SECTION 5, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE SOUTH WEST CORNER OF SAID WEST FRACTIONAL HALF OF SECTION 5; AND RUNNING THENCE NORTH ALONG THE WEST LINE OF SAID SECTION 65 RODS AND 15 LINKS (1082.5 FEET); THENCE EAST IN RODS AND 15 LINKS (1023.4 FEET); THENCE SOUTH 1 DEGREE 25 MINUTES WEST TO THE SOUTH LINE OF SAID SECTION; THENCE WEST ON THE SOUTH LINE OF SAID SECTION TO THE PLACE OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-400-003
THAT PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID SECTION 7, 182.62 FEET; THENCE WEST ALONG THE NORTH LINE OF A CERTAIN PARCEL OF LAND PLAT OF DEDICATION RECORDED JUNE 18, 1924, AS DOCUMENT NO. 192470, A DISTANCE OF 75 FEET; THENCE NORTH 182.62 FEET, MORE OR LESS, TO THE NORTH LINE OF SAID SECTION 7; THENCE EAST ALONG SAID NORTH LINE OF SAID SECTION 7, 75 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

AND

04-05-400-004
THAT PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF SAID NORTHEAST QUARTER OF THE NORTHEAST QUARTER; THENCE SOUTH ALONG THE EAST LINE OF SAID SECTION 7, 182.62 FEET; THENCE WEST ALONG THE NORTH LINE OF A CERTAIN PARCEL OF LAND PLAT OF DEDICATION RECORDED JUNE 18, 1924, AS DOCUMENT NO. 192470, A DISTANCE OF 75 FEET; THENCE NORTH 182.62 FEET, MORE OR LESS, TO THE NORTH LINE OF SAID SECTION 7; THENCE EAST ALONG SAID NORTH LINE OF SAID SECTION 7, 75 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

NOTE:
1. BEARINGS FROM ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD 83 (2011) EPOCH 2010.00).
2. BOUNDARY, NORTH, WEST AND SOUTH LINES OF THE SUBJECT PROPERTY ARE BASED ON DEEDED BEARINGS AND DISTANCES AS SHOWN ON PLAT, UNLESS OTHERWISE NOTED.
3. LIMITS OF WASTE - NORTH EXPANSION
SHOWN PER AERIAL DRAWING PROVIDED BY OTHERS.
4. LIMITS OF WASTE - NORTH EXPANSION
THE BEARINGS AND DISTANCES ARE LOCAL DESCRIPTIONS AND AS MEASURED AND SHOWN ON PLAT HEREON. THEY ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM
ILLINOIS STATE PLANE (NAD 83(2011) EAST ZONE (1201))

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

I, THEODORE E. MICHELS, AN ILLINOIS REGISTERED PROFESSIONAL LAND SURVEYOR AND NOT A BENEFICIARY OF THE TRUST AGREEMENT DATED MAY 1, 2001 AND KNOWN AS TRUST NO. 1-2-1-1, DO HEREBY STATE THAT I HAVE SURVEYED AND DRAWN THE PLAT HEREON DESCRIBED REPRESENT THE FACTS FOUND AT THE TIME OF THE SURVEY WHICH I HAVE PERFORMED, MADE IN CONFORMITY WITH LAWS, ILLINOIS ADMINISTRATIVE CODE AND ORDINANCES OF THE LOCAL GOVERNING BODY.

EXCEPTIONS ARE SHOWN IN SAID BOUNDARY PARCELS EXCEPT AND NOT LIMITED TO A CONFORMANCE OF 20 BEARING TOLERANCE.

ANY MISSING CORNERS WERE SET BY ME ON _____, A.D. 2021

BY: _____

THEODORE E. MICHELS
ILLINOIS REGISTERED LAND SURVEYOR NO. 035-3581
LICENSE EXPIRES: 11/30/2022

THEODORE E. MICHELS
035-003581
REGISTERED
LAND SURVEYOR
STATE OF ILLINOIS

REVISIONS		
No.	DESCRIPTION	DATE

IMEG

Zion Landfill
Zion, Illinois

Plat of survey

IMEG Project No:	21001213.00
File Name:	
© COPYRIGHT 2021 IMEG CORP. ALL RIGHTS RESERVED	
Field Book No:	
Drawn By:	TEM
Checked By:	HMD
Date:	04/21/2021
	1
Sheet	1 of 1

Attachment to Question 7

Horizontal waste disposal unit boundaries are set forth in the attached legal description of the waste boundary. Horizontal waste disposal unit boundaries were presented in Appendix D of the Siting Application provided to the Zion City Council.

Bottom vertical waste disposal unit boundaries are set forth in the attached Drawing No. D10 – Proposed Leachate Collection System Layer Grades, provided as part of the Design Drawings within the Siting Application.

Top vertical waste disposal unit boundaries are set forth in the attached Drawing No. D11 – Proposed Final Landform Grades, provided as part of the Design Drawings within the Siting Application (the top vertical waste disposal unit boundary would be approximately five (5) feet lower than the final landform grades).

ZION LANDFILL SITE 2 NORTH EXPANSION

LEGAL DESCRIPTION OF EXPANDED WASTE BOUNDARY

DESCRIPTION OF LIMITS OF WASTE WITHIN SITE 2 NORTH EXPANSION

THAT PART OF THE NORTHEAST QUARTER OF SECTION 7, AND THAT PART OF THE EAST FRACTIONAL SECTION 6, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF SECTION 7; THENCE SOUTH 00 DEGREES 02 MINUTES 42 SECONDS WEST, 162.62 FEET; THENCE NORTH 72°55'16" EAST, 38.86 FEET; THENCE SOUTH 89°4.5'56" EAST, 1009.04 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN INTENDED TO BE DESCRIBED; THENCE NORTH 05°13'41" EAST, 100.22 FEET; THENCE NORTH 01°14'02" EAST, 1647.28 FEET; THENCE NORTH 46°14'09" EAST, 768.60 FEET; THENCE SOUTH 88°45'51" EAST, 691.80 FEET; THENCE SOUTH 05°49'01" EAST, 502.39 FEET; THENCE SOUTH 01°04'44" EAST 2048.29 FEET, TO A POINT ON A CURVE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 280.00 FEET, AN ARC LENGTH OF 109.72 FEET AND A CHORD LENGTH OF 109.02 FEET BEARING NORTH 11 DEGREES 10 MINUTES 51 SECONDS WEST TO A POINT OF COMPOUND CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 280.00 FEET, AN ARC LENGTH OF 214.95 FEET AND A CHORD LENGTH OF 209.71 FEET BEARING NORTH 44 DEGREES 23 MINUTES 57 SECONDS WEST TO A POINT OF COMPOUND CURVATURE; THENCE SOUTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 20.00 FEET, AN ARC LENGTH OF 18.04 FEET AND A CHORD LENGTH OF 17.43 FEET BEARING SOUTH 87 DEGREES 46 MINUTES 05 SECONDS WEST TO A POINT OF TANGENCY; THENCE SOUTH 61 DEGREES 55 MINUTES 47 SECONDS WEST, 108.93 FEET TO A POINT OF CURVATURE; THENCE SOUTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 68.00 FEET, AN ARC LENGTH OF 34.40 FEET, AND A CHORD LENGTH OF 34.03 FEET BEARING SOUTH 76 DEGREES 25 MINUTES 20 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 89 DEGREES 05 THE MINUTES 00 THE SECONDS WEST, 34.49 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 68.00 FEET, AN ARC LENGTH OF 46.36 FEET AND A CHORD LENGTH OF 45.47 FEET BEARING NORTH 69 DEGREES 33 MINUTES 08 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 50 DEGREES 01 MINUTES 05" SECONDS WEST, 98.15 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 20.00 FEET, AN ARC LENGTH OF 13.87 FEET AND A CHORD LENGTH OF 13.59 FEET BEARING NORTH 69 DEGREES 53 MINUTES 07 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 89 DEGREES 45 MINUTES 56 SECONDS WEST, 829.13 FEET TO THE POINT OF BEGINNING, ALL IN LAKE COUNTY, ILLINOIS.

(CONTAINING 62.2 ACRES, MORE OR LESS)

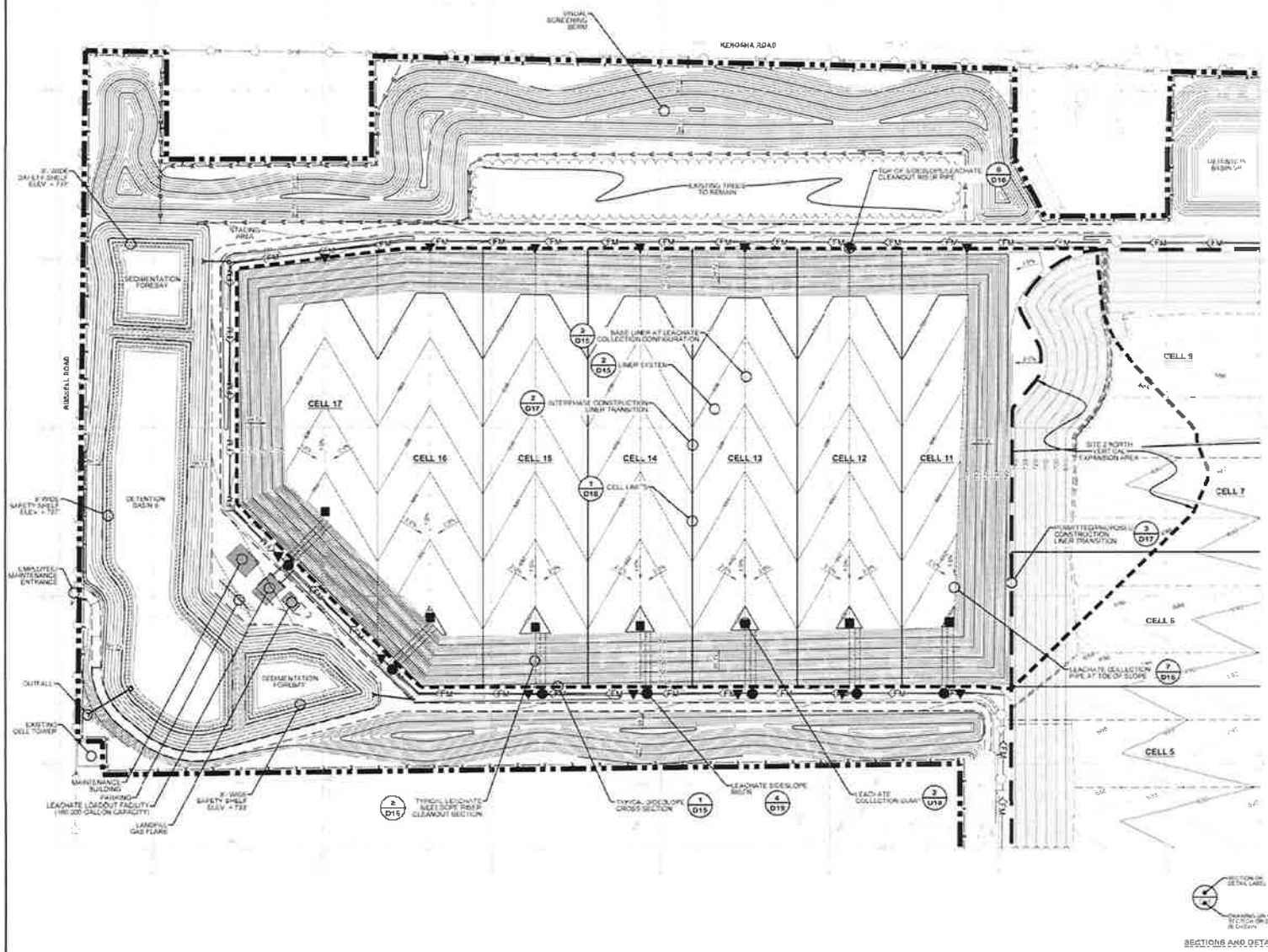
DESCRIPTION OF LIMITS OF WASTE WITHIN PERMITTED ZION LANDFILL

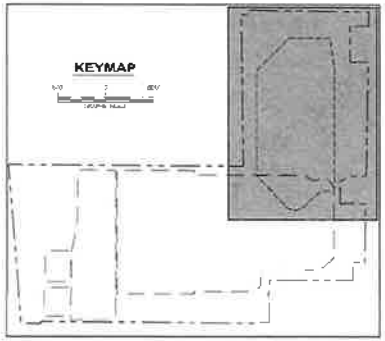
THAT PART OF THE NORTHEAST QUARTER OF SECTION 7, AND OF THE NORTHWEST QUARTER OF SECTION 7, TOWNSHIP 46 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST

CORNER OF THE NORTHWEST QUARTER OF SECTION 7; THENCE SOUTH 00 DEGREES 42 MINUTES 09 SECONDS WEST, 76.18 FEET TO THE POINT OF BEGINNING OF THE PARCEL HEREIN INTENDED TO BE DESCRIBED; THENCE NORTH 89 DEGREES 56 MINUTES 10 SECONDS WEST, 1299.39 FEET; THENCE SOUTH 00 DEGREES 09 MINUTES 13 SECONDS EAST 2057.94 FEET; THENCE NORTH 89 DEGREES 59 MINUTES 52 SECONDS EAST, 1293.88 FEET; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, 42.05 FEET; THENCE SOUTH 89 DEGREES 56 MINUTES 18 SECONDS EAST, 955.58 FEET TO A POINT OF CURVATURE; THENCE NORTHEASTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 150.00 FEET, AN ARC LENGTH OF 236.2 FEET, AND A CHORD LENGTH OF 212.70 FEET BEARING NORTH 44 DEGREES 54 MINUTES 29 SECONDS EAST TO A POINT OF TANGENCY; THENCE NORTH 00 DEGREES 19 MINUTES 09 SECONDS EAST, 80.36 FEET TO A POINT OF CURVATURE; THENCE NORTHEASTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 150.00 FEET, AN ARC LENGTH OF 221.56 FEET AND A CHORD LENGTH OF 201.96 FEET BEARING NORTH 47 DEGREES 57 MINUTES 42 SECONDS EAST TO A POINT OF TANGENCY; THENCE SOUTH 89 DEGREES 43 MINUTES 23 SECONDS EAST, 800.12 FEET TO A POINT OF CURVATURE; THENCE NORTHEASTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHWEST HAVING. A RADIUS OF 150.00 FEET, AN ARC LENGTH OF 109.91 FEET AND A CHORD LENGTH OF 107.47 FEET, BEARING NORTH 69 DEGREES 17 MINUTES 10 SECONDS EAST TO A POINT OF TANGENCY; THENCE NORTH 48 DEGREES 17 MINUTES 43 SECONDS EAST, 198.33 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 150.00 FEET, AN ARC LENGTH OF 126.44 FEET AND A CHORD LENGTH OF 122.73 FEET BEARING NORTH 24 DEGREES 08 MINUTES 52 SECONDS EAST TO A POINT OF TANGENCY; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST, 1009.36 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 280.00 FEET, AN ARC LENGTH OF 109.72 FEET AND A CHORD LENGTH OF 109.02 FEET BEARING NORTH 11 DEGREES 13 MINUTES 55 SECONDS WEST TO A POINT OF COMPOUND CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 280.00 FEET, AN ARC LENGTH OF 214.95 FEET AND A CHORD LENGTH OF 209.71 FEET BEARING NORTH 44 DEGREES 26 MINUTES 43 SECONDS WEST TO A POINT OF COMPOUND CURVATURE; THENCE SOUTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 20.00 FEET, AN ARC LENGTH OF 18.04 FEET AND A CHORD LENGTH OF 17.43 FEET BEARING SOUTH 87 DEGREES 43 MINUTES 24 SECONDS WEST TO A POINT OF TANGENCY; THENCE SOUTH 61 DEGREES 53 MINUTES 05 SECONDS WEST 108.93 FEET TO A POINT OF CURVATURE; THENCE SOUTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 68.00 FEET, AN ARC LENGTH OF 34.40 FEET, AND A CHORD LENGTH OF 34.04 FEET BEARING SOUTH 76 DEGREES 22 MINUTES 41 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 89 DEGREES 07 MINUTES 42 SECONDS WEST, 34.49 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 68.00 FEET, AN ARC LENGTH OF 46.36 FEET AND A CHORD LENGTH OF 45.47 FEET BEARING NORTH 69 DEGREES 35 MINUTES 44 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 50 DEGREES 03 MINUTES 47 SECONDS WEST, 98.15 FEET TO A POINT OF CURVATURE; THENCE NORTHWESTERLY ALONG A CURVED LINE CONCAVE TO THE SOUTHWEST HAVING A

RADIUS OF 20.00 FEET, AN ARC LENGTH OF 13.87 FEET AND A CHORD LENGTH OF 13.60 FEET BEARING NORTH 69 DEGREES 56 MINUTES 12 SECONDS WEST TO A POINT OF TANGENCY; THENCE NORTH 89 DEGREES 48 MINUTES 38 SECONDS WEST, 1838.17 FEET; THENCE SOUTH 72 DEGREES 52 MINUTES 34 SECONDS WEST, 38.86 FEET; THENCE NORTH 00 DEGREES 00 MINUTES WEST, 86.44 FEET TO THE POINT OF BEGINNING, ALL IN LAKE COUNTY, ILLINOIS.

(CONTAINING 154.1 ACRES, MORE OR LESS)





LEGEND

- APPROXIMATE FACILITY BOUNDARY
- APPROXIMATE EXISTING WASTE BOUNDARY
- APPROXIMATE PROPOSED EXPANSION WASTE BOUNDARY
- EXISTING CONTOUR
- EXISTING ROAD
- EXISTING VEGETATION
- EXISTING FENCE
- EXISTING CULVERT
- PROPOSED GROUNDSURFACE ELEVATION (GW TEST HOLE)
- PROPOSED ROAD
- PROPOSED CULVERT
- EXISTING FORCEMAIN
- EXISTING LEACHATE COLLECTION PIPE
- EXISTING LEACHATE CLEANOUT LOCATION
- EXISTING LEACHATE VAULT/MANHOLE LOCATION
- EXISTING LEACHATE COLLECTION SUMP LOCATION
- PROPOSED FORCEMAIN
- PROPOSED LEACHATE COLLECTION PIPE
- PROPOSED LEACHATE CLEANOUT LOCATION
- PROPOSED LEACHATE VAULT/MANHOLE LOCATION
- PROPOSED LEACHATE COLLECTION SUMP LOCATION

NOTES

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY BY JOHNSON ON 10/2/2015 PER 2017 STORMWATER MANAGEMENT FEATURES ASSOCIATED WITH SITE 2 EAST DITCHES AND BASINS BY STORMWATER DATA GROUP. SURVEYING OF FEATURES OF COMPLETION OF CONSTRUCTION CHANGES ARE CAPTURED BY THE TOPOGRAPHIC SURVEY
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN
3. CURRENT TOPOGRAPHY MAY DIFFER FROM THAT SHOWN
4. THE LEACHATE COLLECTION LAYER SHOWN FOR THE EXISTING LANDFILL CELLS 6-7 AND 8-9 ARE BASED ON MINIMUM ON THE TOP OF PERMITTED COMPOSITE BASE LINER GRADES. THE LEACHATE COLLECTION LAYER WITHIN THESE CELLS ARE CONSTRUCTED TO BE A MINIMUM ONE FOOT THICK ABOVE TOP OF CONSTRUCTED TOP OF PERMITTED COMPOSITE BASE LINER GRADES SHOWN
5. THE TOP OF PROPOSED LEACHATE COLLECTION GRADES ARE SHOWN FOR THE SITE 2 NORTH HORIZONTAL EXPANSION AREA CELLS 17 THROUGH 12
6. THE LEACHATE COLLECTION LAYER SHALL BE A MINIMUM 12 INCH THICK ABOVE THE CONSTRUCTED TOP OF LINER GRADES
7. THE EXISTING AND PROPOSED LEACHATE FORCEMAINS MAY BE LOCATED INSIDE THE LIMITS OF WASTE AT THE CREST OF SLOPE IN LIEU OF THE USES AS DEPICTED ON THIS DRAWING
8. CELL DEVELOPMENT WILL PROCEED IN NUMERICAL ORDER. VERTICAL EXPANSION WILL PROGRESS CONCURRENT WITH CELL 17 DEVELOPMENT
9. EXISTING LEACHATE FORCEMAIN AND LOADOUT FACILITY IN VERTICAL EXPANSION AREA WILL BE ABANDONED AND REMOVED AS PART OF PROPOSED EXPANSION DURING CELL 17 DEVELOPMENT
10. PROPOSED LEACHATE VAULTS AND MANHOLES WILL BE SITE LOCATING AND DETAILS (LEACHATE WILL BE SAMPLED AT EACH MANHOLE LOCATION

SECTIONS AND DETAIL KEY

NO.	DATE	DESCRIPTION

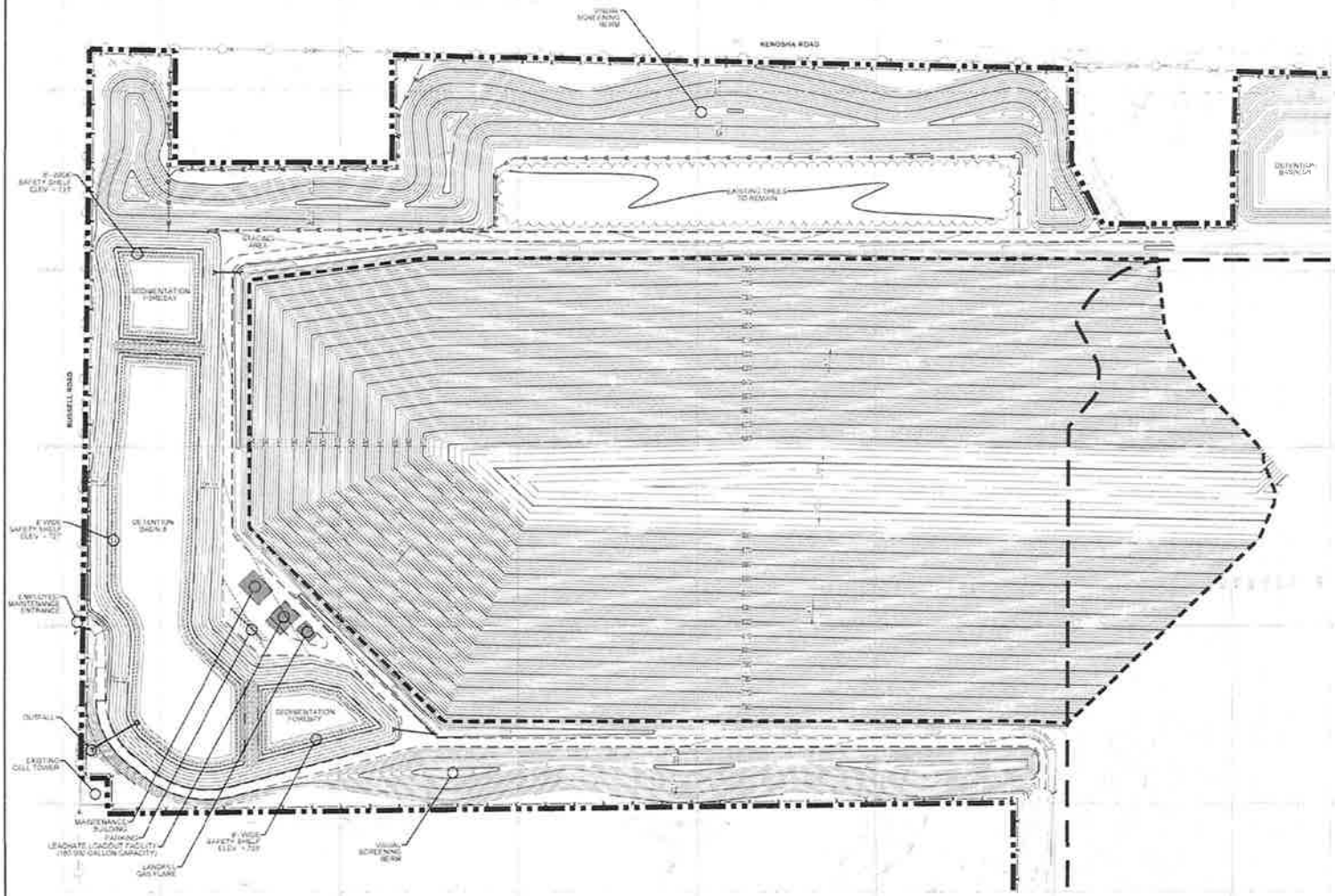
GFL

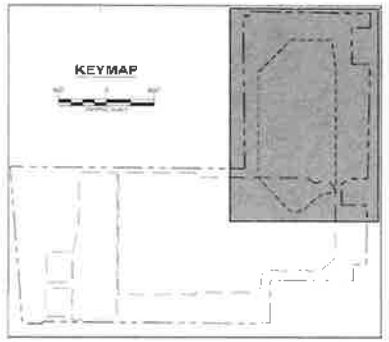
APTIM Environmental & Infrastructure, LLC

ZION LANDFILL - SITE 2 NORTH EXPANSION
CITY OF ZION, ILLINOIS

PROPOSED LEACHATE COLLECTION SYSTEM LAYER GRADES

PROJ. NO.	617120015
DESIGNED BY	DAM/BAM
DRAWN BY	BAM/DAM
CHECKED BY	DAM
APPROVED BY	DAM
DATE	AUGUST 2021
DRAWING NO.	**D10**
	10 OF 29 SHEETS



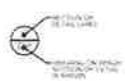


LEGEND

- APPROXIMATE FACILITY BOUNDARY
- APPROXIMATE LIMITS OF WASTE BOUNDARY
- APPROXIMATE PROPOSED EXPANSION LIMITS BOUNDARY
- EXISTING CONTOUR
- EXISTING ROAD
- EXISTING VEGETATION
- EXISTING FENCE
- EXISTING POWER POLE
- EXISTING OVERHEAD WIRE
- EXISTING CULVERT
- PROPOSED CONTOUR
- PROPOSED ROAD
- PROPOSED PERIMETER FENCE
- PROPOSED BERM
- PROPOSED GAS TIE

NOTES

1. EXISTING CONTOURS DEVELOPED FROM SITE AERIAL TOPOGRAPHIC SURVEY PROVIDED BY CDM INC. ON 10/22/2018 EXCEPT STORMWATER MANAGEMENT FEATURES ASSOCIATED WITH SITE 2 (NEW DETENTION BASIN 'B', 'A' DRIVE, EXTENSION GROOVES AND DRIVE FOR SEDIMENTATION POND 'C'). FEATURES FOR COMPLETENESS, AS NOT ALL GRADES ARE CAPTURED BY THE TOPOGRAPHIC SURVEY.
2. FOR CLARITY, NOT ALL SITE FEATURES MAY BE SHOWN.
3. CURRENT TOPOGRAPHY MAY DIFFER FROM THAT SHOWN.
4. TOE OF PERMITTED FINAL COVER GRADES AND 3:1 CONTOUR THE EXISTING ANGLE OF LEAST KNOWN WITH APPROXIMATE THE SITE 2 NORTH VERTICAL EXPANSION AREA.
5. THE TOP OF PROPOSED FINAL COVER GRADES ARE SHOWN FOR THE SITE 2 NORTH HORIZONTAL AND VERTICAL EXPANSION. THE TWO (2) VERTICAL EXPANSION AREA FINAL COVER GRADES WILL TIE INTO THE PERMITTED FINAL COVER GRADES OF THE EXISTING LANDFILL AS SHOWN.
6. THE FINAL COVER WILL BE CONSTRUCTED TO BE A MINIMUM FIVE FOOT THICK.



SECTIONS AND DETAIL KEY

REV. NO.	DATE	DESCRIPTION

GFL

APTIM Environmental & Infrastructure, LLC

ZION LANDFILL - SITE 2 NORTH EXPANSION
CITY OF ZION, ILLINOIS

PROPOSED FINAL LANDFORM GRADES

PROJ. NO.	60555170
DESIGNED BY	CMP/TMB
DRAWN BY	CMP/MG
CHECKED BY	SWV
APPROVED BY	SWV
DATE	AUGUST 2021
DRAWING NO.	**D11**
	11 OF 29 SHEETS

Attachment to Question 6

The attached ordinance is provided as a record of local siting approval from the Zion City Council for the Zion Landfill Site 2 North Expansion. The specific conditions imposed on Zion Landfill, Inc. are set forth in the ordinance.

ORDINANCE No. 22-O-9

AN ORDINANCE APPROVING ZION LANDFILL, INC.'s REQUEST FOR SITE APPROVAL, PURSUANT TO 415 ILCS 5/39.2, OF THE ZION LANDFILL SITE 2 NORTH EXPANSION, IN THE CITY OF ZION, ILLINOIS

WHEREAS, the Illinois Environmental Protection Act (415 ILCS 5/1 et seq.) has authorized the governing body of a municipality to approve or disapprove the request for local siting approval for each pollution control facility which is subject to such review; and

WHEREAS, Zion Landfill, Inc. requests site approval, pursuant to 415 ILCS 5/39.2 of a pollution control facility referenced as Zion Landfill Site 2 North Expansion, specifically a vertical and horizontal expansion of the existing Zion Landfill; and

WHEREAS, on September 30, 2021, Zion Landfill, Inc. submitted its Request for Siting Approval for the Zion Landfill Site 2 North Expansion to the Zion City Clerk;

WHEREAS, the existing Zion Landfill has a street address of 701 Green Bay Road, Zion, Illinois; and

WHEREAS, Zion Landfill Site 2 North Expansion is proposed to expand the waste footprint of the existing Zion Landfill approximately 62.2 acres; and

WHEREAS, the City of Zion ("CIty") Board of Commissioners ("Board") is the governing body of the municipality in which the Zion Landfill Site 2 North Expansion is proposed to be located; and

WHEREAS, on or before September 16, 2021, by certified mail (return receipt requested) or hand delivery, Zion Landfill, Inc., through its attorney, completed delivery and publication of notice pursuant to 415 ILCS 5/39.2(b) and the City of Zion Ordinance 21-0-62; and

WHEREAS, on or before October 30, 2021, the City Clerk published the notice of availability required by City of Zion Ordinance 21-0-62;

WHEREAS, on or before December 27, 2021, notice of the public hearing in this matter was delivered and published in a newspaper of general circulation in Lake County pursuant to 415 ILCS 5/39.2(d); and

WHEREAS, on January 7, 2022, the notice of the public hearing was published as a display ad in a newspaper of general circulation in Lake County pursuant to City of Zion Ordinance 21-0-62;

WHEREAS, on January 10-12, 19, and 27, a public hearing was held at the Zion-Benton Township High School, South Commons, 3901 West 21st Street, Zion, IL, in this matter with the

following persons participating in addition to the Mayor, Commissioners (as noted in the transcript and in person or via Zoom), the City Attorney, and the Hearing Officer:

Zion Landfill, Inc. (through attorney Gerald Callaghan and witnesses Phillip Kowalski, Michael Werthmann, Devin Moose, J. Christopher Lannert, Peter Poletti, and Martin Fallon, with Mark Bingham and Tim Curry also present); Lake County (through Assistant State's Attorney-Division Trial Chief Lisle Stalter); Solid Waste Agency of Lake County ("SWALCO") (through attorney Derke Price, with Walter Willis also present);

City of Zion staff (through attorneys Phillip Luetkehans and Jennifer Sackett Pohlenz, and witness Jesse Varsho, with City Clerk Sheryl Spooner and City Administrator David Knabel also present);

Verena Owen;

Douglas Ower;

Amy Onan;

Barbara Klipp;

Tom Brennan;

Michael Willkomm; and

WHEREAS, the 30th day from the date of public hearing and the close of the public comment period as announced by the Hearing Officer on the last date of public hearing and published by the City of Zion on its webpage is February 28, 2022; and

WHEREAS, the City of Zion Board of Commissioners has jurisdiction to decide Zion Landfill, Inc.'s siting request and has considered the evidence presented and the public record; and

NOW, THEREFORE, BE IT ORDAINED by the BOARD OF COMMISSIONERS of the CITY OF ZION, Lake County, Illinois, as follows:

SECTION 1: The above Recitals are incorporated herein by this reference as if once again fully set forth.

SECTION 2: Zion Landfill, Inc. submitted sufficient details describing the proposed Site 2 North Expansion and evidence to demonstrate compliance with the following criteria, subject to the Siting Conditions listed in Section 3:

(i) the facility is necessary to accommodate the waste needs of the area it is intended to serve (415 ILCS 5/39.2(a)(i)):

The Zion Landfill, Inc. Site 2 North Expansion is necessary to accommodate the waste needs of the area it is intended to serve. Among other things, the evidence presented by Zion Landfill, Inc.'s witness, Phillip Kowalski, identified a disposal capacity deficit in the service area of at least 213,387,000 tons over the period 2021-2044 demonstrates compliance with this criterion; and

(ii) the facility is so designed, located and proposed to be operated that the public health, safety and welfare will be protected (415 ILCS 5/39.2(a)(ii)):

The Zion Landfill, Inc. Site 2 North Expansion is so designed, located and proposed to be operated that the public health, safety and welfare will be protected. The details and evidence presented by Zion Landfill, Inc.'s witnesses, Martin Fallon and Devin Moose, identified an expansion located, designed, and proposed to be operated in compliance with applicable laws, regulations, and host agreements. Zion Landfill, Inc.' consent to nearly all applicable Siting Conditions, and notwithstanding consent, the Siting Conditions listed in Section 3 of this Ordinance, demonstrate compliance with this criterion. The applicable Siting Conditions, as described below and testified to by Jesse Varsho, are reasonable and necessary to accomplish the purposes of 415 ILCS 39.2(a)(ii) and as are not inconsistent with regulations promulgated by the Illinois Pollution Control Board; and

(iii) the facility is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property (415 ILCS 5/39.2(a)(iii):

The Zion Landfill, Inc. Site 2 North Expansion is located so as to minimize incompatibility with the character of the surrounding area and to minimize the effect on the value of the surrounding property. Among other things, the details and evidence presented by Zion Landfill, Inc.'s witnesses, Peter Poletti and J. Christopher Lannert; reliance on operational compliance on applicable laws, regulations, host agreement requirements; construction of landscaping no less dense and have no less dimensions than represented in Sheets 5-8 of Section 3.1 of the Siting Application; the Zion Landfill, Inc.'s consent to applicable Siting Conditions proposed by City staff; and preservation of the existing woodland, demonstrate compliance with this criterion. Further, the applicable Siting Conditions are reasonable and necessary to accomplish the purposes of 415 ILCS 5/39.2(a)(iii) and are not inconsistent with regulations promulgated by the Pollution Control Board; and

(iv) for a facility that is a sanitary landfill or waste disposal site, the facility is located outside the boundary of the 100-year floodplain, or if the facility is a facility described in subsection (b)(3) of Section 22.19a, the site is flood-proofed (415 ILCS 5/39.2(a)(iv)(b):

The Zion Landfill, Inc. Site 2 North Expansion is located outside the boundary of the 100-year floodplain. Zion Landfill, Inc.'s witness Devin Moose presented the FEMA Floodplain map showing the Site 2 North Expansion boundaries being outside the areas designated on that map as floodplain, demonstrating compliance with this criterion: and

(v) the plan of operations for the facility is designed to minimize the danger to the surrounding area from fire, spills, or other operational accidents (415 ILCS 5/39.2(a)(v)):

The Zion Landfill, Inc. Site 2 North Expansion plan of operations is designed to minimize the danger to the surrounding area from fire, spills, or other operational accidents. The details and evidence presented by Zion Landfill, Inc.'s witness, Devin Moose, identified an expansion proposed to be operated in compliance with applicable laws, regulations, and host agreements. Zion Landfill, Inc. consented to nearly all applicable Siting Conditions, and notwithstanding consent, the Siting Conditions listed in Section 3 of this Ordinance, demonstrate compliance with this criterion. The applicable Siting Conditions, as described below and testified to by Jesse Varsho, are reasonable and necessary to accomplish the purposes of 415 ILCS 39.2(a)(ii) and as are not inconsistent with regulations promulgated by the Pollution Control Board; and

(vi) the traffic patterns to or from the facility are so designed as to minimize the impact on existing traffic flows:

The traffic patterns to or from the Zion Landfill, Inc. Site 2 North Expansion are so designed as to minimize the impact on existing traffic flows. The details and evidence presented by Zion Landfill, Inc.'s witness Michael Werthmann, the Siting Application, the existing traffic flows, and Zion Landfill, Inc.'s consent to the applicable Siting Conditions listed in Section 3 of this Ordinance also demonstrate compliance with this criterion; and

(vii)) if the facility will be treating, storing or disposing of hazardous waste, an emergency response plan exists for the facility which includes notification, containment and evacuation procedures to be used in case of an accidental release;

Zion Landfill, Inc. Site 2 North Expansion represented that it will not be treating, storing or disposing of hazardous waste, and, thus, this criterion is not applicable; and

(viii) if the facility is to be located in a county where the county board has adopted a solid waste management plan consistent with the planning requirements of the Local Solid Waste Disposal Act or the Solid Waste Planning and Recycling Act, the facility is consistent with that plan; for purposes of this criterion (viii), the "solid waste management plan" means the plan that is in effect as of the date the application for siting approval is filed:

The Lake County Board has adopted a solid waste management plan consistent with the planning requirements of the Local Solid Waste Disposal Act or the Solid Waste Planning

and Recycling Act, and the Zion Landfill, Inc. is consistent with that plan. The details and evidence presented by Zion Landfill, Inc.'s witness Devin Moose, the Siting Application, and the participation by Lake County without an objection with respect to this criterion, demonstrate compliance with this criterion;

(ix) if the facility will be located within a regulated recharge area, any applicable requirements specified by the Board for such areas have been met:

The Zion Landfill, Inc. will not be located within a regulated recharge area. The evidence presented by Zion Landfill, Inc. demonstrates that the Site 2 North Expansion will not be located in a regulated recharge area.

SECTION 3: Based on the public record and supported by the testimony on cross-examination of Zion Landfill, Inc.'s witnesses and the testimony of Jesse Varsho, we find the following conditions are reasonable and necessary to accomplish the purposes of 415 ILCS 39.2 and as are not inconsistent with regulations promulgated by the Pollution Control Board:

1. The three-dimensional "waste boundaries" of the Site 2 North expansion shall be as follows:
   a. Bottom of waste grades as shown on Design Drawing D10 "Proposed Leachate Collection System Layer Grades";
   b. Top of waste grades, including, but not limited to slopes and top elevations, are five feet below the final landform grades shown Design Drawing D11 "Proposed Final Landform Grades"; and
   c. Horizontal extent of waste as shown on Design Drawing D11 "Proposed Final Landform Grades."

2. Soil or excavation materials shall not be stockpiled on the Site 2 North expansion above elevation 890 feet, and shall only be stockpiled within (not outside) the berm area surrounding the Site 2 North expansion, except as needed for construction of berms and, to the extent outside the permitted boundary, in compliance with the zoning ordinance.

3. The landfill gas collection system shall be installed utilizing current (i.e., at the time of installation) best management practices ("BMPs") and the landfill owner/operator shall submit to IEPA in its permit application caisson gas wells as shown in Detail 1/D26 on Design Drawing D26 "Landfill Gas Management System Details – 1 and horizontal collectors or equivalent methods as discussed in Section 2.3 "Design Report". The landfill owner/operator commits to installation of the landfill gas collection system, as permitted, in each cell, within the first three years of waste acceptance in any cell, or as otherwise needed to maintain BMPs at the landfill, whichever occurs first.

4. The landfill gas collection system shall, at a minimum, follow BMPs for construction, installation, repair or alteration, and monitoring, at the time such activities take place. For example, current BMPs may include, but are not limited to:
   a. landfill gas collection on leachate sumps for odor control,
   b. early collection of landfill gas through horizontal or caisson wells,
   c. precision flow meter or equivalent at well head;
   d. surface emission monitoring; and
   e. liquid removal from vertical landfill gas wells, as necessary.

5. Necessary repairs to or replacement of any gas collection header piping that remains below the final cover geomembrane upon construction of the final cover will be performed by abandoning the affected piping in-place and installing replacement piping above the final cover geomembrane.

6. A minimum of a double-sided textured 40 mil LLDPE geomembrane liner and geocomposite will be installed, as part of the final cover system, over the entire Site 2 North expansion area (including, but not limited to the vertical expansion area).

7. The existing perimeter odor neutralizing system along Kenosha Road shall be expanded or utilized at the Site 2 North expansion prior to waste acceptance. The Material Safety Data Sheet ("MSDS") for anything used to neutralize or mask odors will be posted on the landfill's website (i.e., the website that is to be maintained pursuant to Exhibit G. Community Relations Plan of the June 2021 Second Amendment to Host Agreement Between Zion Landfill, Inc. and The County of Lake, Illinois, and The Solid Waste Agency of Lake County, Illinois ("Second Amendment").

8. Valves or other equivalent devices shall be installed on the stormwater discharge/outlet device for Stormwater Basin 8 prior to waste placement at the Site 2 North expansion.

9. The maintenance building, leachate load out area, parking lot, and gas flare area located in the northwest of the Site 2 North expansion design drawings shall direct all stormwater flow from this area(s) to the northwest Sedimentation Forebay of Stormwater Basin 8.

10. The landfill owner/operator shall be in compliance with Exhibits 2 through 6, contained in Appendix R of the Application (exhibits to the Second Amendment on or before the thirtieth (30th) day following non-appealable siting approval or submittal of a permit to IEPA, whichever occurs first. The landfill owner/operator shall send notice to the City Clerk, Mayor, City Administrator, SWALCO, and the County within 7 calendar days of being in compliance with

Exhibits 2 through 6 and invite them to the landfill for a tour demonstrating such compliance. That tour may be scheduled at the agreement of the landfill owner/operator, City, SWALCO and County. The landfill owner/operator shall grant the City access with 1-calendar day notice, unless otherwise agreed, on any day the landfill is accepting waste to review compliance with this and the other Conditions.

11. Exhibits 2 through 6 of Appendix R of the Application (exhibits C, D, E and F to the Second Amendment) shall be included in the landfill owner/operator's Illinois Environmental Protection Agency ("IEPA") permit application for development of the Site 2 North expansion.

12. The landfill owner/operator shall notify the City, at least 90 days in advance, of any proposed changes to Exhibits 2 through 6 of Appendix R of the Application (exhibits to the Second Amendment) and provide a copy of the proposed changes in the notification.

13. On an annual basis, no later than June 1, the landfill owner and operator shall submit updated contact information for the Landfill Manager, Emergency Response Coordinator and Alternate Response Coordinator to the following entities:
    a. City of Zion, Attn: City Clerk
    b. Zion Fire/Rescue Department
    c. Zion Police Department

14. Prior to any permit or permit modification application for leachate recirculation or evaporation, the landfill owner/operator must obtain approval of the City Board of Commissioners. Prior to any permit or permit modification application for on-site pretreatment or on-site treatment of leachate, the landfill owner/operator must provide notice of the proposed modification and an opportunity to comment to the City Mayor and Board of Commissioners.

15. The landfill owner/operator shall not accept for treatment, disposal, alternative daily cover, road construction, or any other use the following wastes:
    a. hazardous waste;
    b. "toxic waste" under the Toxic Substance Control Act (TSCA);
    c. coal combustion residuals or coal ash, unless consistent with Condition #16;
    d. aluminum dross;
    e. electronic wastes;
    f. liquid wastes (unless properly solidified prior to disposal or the waste is from a household or is in a small container similar in size to that normally found in household waste and the container was designed for use other than storage);

g. regulated radioactive or low-level radioactive waste (as defined by the Atomic Energy Act, U.S.C. 201 1, et seq. or the Illinois Low-Level Radioactive Waste Management Act, 420 ILCS 20/3, et seq. or the implementing regulations of either);
h. PCB containing remediation wastes prohibited from disposal at a RCRA Subtitle D landfill by the Toxic Substances Control Act, 15 U.S.C. §2601 et seq. (1976);
i. potentially infectious medical waste;
j. universal waste;
k. landscape waste;
l. asphalt roofing shingles;
m. whole trees;
n. white goods;
o. lead-acid batteries;
p. grease trap sludge;
q. gypsum fine resulting from processing of construction and demolition debris; and
r. used motor oil.

16. Prior to submitting any permit or permit modification application for acceptance of coal combustion residues or coal ash for disposal, the landfill owner/operator shall submit to the Mayor and City Commissioners for comment and approval, the location, design, and operational plan for a coal combustion residues or coal ash monofil.

17. The landfill owner/operator shall submit for comment to the City Administrator, Commissioners and Mayor the procedures for acceptance and management of the following non-hazardous waste streams, at least sixty (60) days prior to acceptance of these waste streams at the landfill. The landfill owner/operator shall include these procedures in its IEPA operating permit application.
    a. wet waste such as sludges, dewatered sediments, or hydro-excavation wastes; and
    b. waste that has a high potential to generate significant volumes of hydrogen sulfide or other total reduced sulfur compounds, as compared to municipal solid waste, when placed in a landfill.

18. The landfill owner/operator shall comply with the requirements for well monitoring and testing that are set forth in Section 9 and 10 of the Host City Agreement, dated May 11, 1994 between Browning-Ferris Industries of Illinois, Inc. and the City of Zion ("City Host Agreement"), as such requirements have been modified by Section 5 of the Second Amendment. For the purposes of this special condition, a monitoring well is considered to show an increase if any of the circumstances are present as described in 35 Illinois Administrative Code (IAC) 811.319(b), as may be modified from time to time. Further, statistical

significance shall be assessed according to the requirements of the applicable IEPA permit and 35 IAC 811.320(e), as may be modified from time to time.

19. The landfill owner/operator shall develop and implement the community relations plan and dedicated website required by Section 8.1.h. and Exhibit G of the Second Amendment no later than sixty (60) days from the date of non-appealable siting approval ("Dedicated Website"). The landfill owner/operator shall submit to the City, County and SWALCO for comment as soon as possible and no later than 10-days prior to publication, the proposed trend graphs for groundwater monitoring, including but not limited to the following groundwater monitoring parameters that are required to be sampled as part of the Zion Landfill, Inc. (existing, operating, and expansion) permitted groundwater monitoring program:
    a. All confirmed VOC detections above Class I standards;
    b. All confirmed SVOC detections above Class I standards; and
    c. All confirmed inorganic indicator parameters on the G1 List in the facility permit which are measured to be above their permitted Maximum Allowable Predicted Concentrations.

20. In addition, the Dedicated Website shall include a list of all the properties identified only by PIN that are already in and, separately, eligible for the potable well protection plan in the host agreement, as amended, with the City of Zion.

21. The groundwater trend graphs discussion in Condition #19, above, shall be included on landfill's Dedicated Website. The Applicant shall update the groundwater trend graphs referenced in this Condition within 30 days of submittal to the Illinois Environmental Protection Agency of each quarterly or semi-annual groundwater report.

22. The landfill owner/operator shall submit with its permit application to IEPA for the Site 2 North expansion a surface emission monitoring ("SEM") plan. In addition, the landfill owner/operator shall monitor through remote means any areas determined to be not accessible (e.g., steep slopes).

23. Within 30 days of submittal of an IEPA permit application, the landfill owner/operator shall submit a final landscape and berm plan, budget, landscaping planting and berm construction schedule, and maintenance and replacement plan to the City for comments, which comments shall be reasonably considered by the landfill owner/operator. The landscape and berm plan shall be no less dense and have no less dimensions than represented in Sheets 5-8 of Section 3.1 of the Application. Intermediate and final cover over the outer eastern slopes adjacent to Kenosha Road shall be constructed with sufficient organic material to support vegetation and will be seeded during the first growing season following cover construction. Further, the landscape

management plan shall include existing woodlands (see Lannert Group exhibit 5, detail B/5) and specify for all trees (including, but not limited to the existing woodlands) that any tree requiring removal will be replaced with a like-species. Except for the existing woodland, the caliper of replacement trees shall be no smaller than as shown on the final landscape plan. Replacement trees shall be planted no later than the planting season following the removal of the tree. The landfill owner/operator will make available through its Dedicated Website, the maintenance and replacement plan when submitted to the City.

24. The landfill owner/operator shall give City Police and Fire Departments the same access rights to the new access road on Russell Road as the current gate/access on Green Bay Road. If Russel Road is locked, the landfill owner/operator shall provide a knox box and key to the City Police and Fire Departments.

25. The landfill owner/operator shall invite and host, at least annually, the City of Zion police, fire and other first responders to the Zion Landfill, Inc. (existing, operating, and Site 2 North expansion) to a safety and education program for responding to fire, spills, and other operational accidents.

26. Waste collection vehicles, transfer trailers, tanker trucks and construction vehicles shall only use the main site entrance located on Green Bay Road. Employee, maintenance, and vendor vehicles may use the site entrances on 9th Street and Russell Road. In the event of an emergency that requires use of an alternate entrance by waste collection vehicles, transfer trailers, tanker trucks and construction vehicles, the City shall be notified by the landfill owner/operator within 48 hours of said event, which notice shall an explanation of the reason the alternate entrance is needed.

27. The landfill owner/operator shall provide comment to IDOT during the Phase 1 and Phase 2 design process, that the existing turn lanes to/from Zion Landfill, Inc.'s site entrance should be maintained. Maintaining existing turning lanes means that when the road is widened to 4 vehicle lanes, an additional lane (5th lane) is provided for traffic deceleration to enter the landfill from Green Bay Road and an additional lane (6th lane) is provided for traffic acceleration to exit the landfill onto Green Bay Road.

28. The landfill owner/operator shall include in the Post-Closure Care Plan and financial assurance provided to IEPA an additional narrative description of post-closure care and a financial line item (not currently required by law or regulation) with a reasonable sum, not less than $50,000 annually, to cover costs associated with maintenance and replacement of landscaping and trees on the Site 2 North expansion property (including, but not limited to the berms, landscaping planned as part of the Site 2 North expansion, and existing woodlands).

29. The landfill owner/operator shall, within sixty (60) days of non-appealable siting approval or its first permit application submittal to IEPA for the Site 2 North expansion, whichever occurs first, send, via certified mail, return receipt requested, notice to all property owners at the property addresses for those properties eligible for the (a) potable well protection plan and/or (b) the property value protection plan in the City Host Agreement, as amended by the Second Amendment, with an informational sheet(s) concerning the availability and the property owner's eligibility for those programs. This notice shall be submitted to the City Mayor and Administrator for review and comment at least 30-days prior to sending and shall be in a form easily understood by the owner/occupant, contain information about the landfill owner/operator's Dedicated Website, and contain instructions necessary for the property owner/occupant to respond, as applicable.

30. The Site 2 North expansion shall be designed, constructed, operated, and closed with design, operation, standards, procedures, methods, and protocols no less safe or protective than those referenced or included in the Application and using current (i.e., at the time of implementation) BMPs.

31. The landfill owner/operator will install a groundwater monitoring system, as approved by the IEPA, including placement of an additional monitoring well between proposed wells G302 and G203 such that spacing between those wells is consistent with the spacing of monitoring wells along the east side of the horizontal expansion areas.

SECTION 4: We approve the site location suitability of the Zion Landfill, Inc. Site 2 North Expansion, as a new pollution control facility in accordance with 415 ILCS 5/39.2; and

SECTION 5: We find all the participants were helpful to the siting process and thank them for their questions and oral comments at the public hearing and written comment to the public record; and

SECTION 6: No evidence was presented in opposition to the above 9 criteria having been demonstrated by Zion Landfill, Inc., except with respect and subject to the conditions listed in Section 3 of this Ordinance; and

SECTION 7: This Ordinance shall be in full force and effect upon its passage and approval, authorizing the Mayor to sign Illinois EPA LPC-PA8 form and anything else required or requested by IEPA to confirm siting was approved with conditions outlined in Section 3, above, pursuant to 415 ILCS 5/39.2 by this Board, and the publication of this Ordinance is hereby authorized in pamphlet form as provided by law.

PASSED this 22nd day of March, 2022 with 3 members voting aye, 0 Commissioners voting nay, the Mayor voting aye, with 1 Commissioner abstaining, passing or absent and said vote being:

Approved this 22nd day of March, 2022.

aye	Mike McDowell	aye	Christopher Fischer
aye	Jacqueline Holmes	absent	Richard Frierson

City of ZION, IL

Billy McKinney, Mayor

Attest:

Sheryl Spooner, City Clerk

Ordinance 22-9-22