# WATER WELL RECORD (WWC-5)

Constructed

KOLAR DOC ID 1840709 WELL ID EW-05

✓ Original Record ☐ Correction ☐ Change in Well Use

## LOCATION OF WATER WELL

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Latitude | 38.35044 | Longitude | -98.56187 | Section | 32 | Township | 19 | Range | 11 ☐E ✓W | Fraction | NW ¼ SW ¼ SE ¼ |
| Datum | WGS84 | Elevation | 1780 | County | Barton | | | | | | |

## WATER WELL OWNER

| | |
|---|---|
| Name | |
| Business | CF Industries Sales LLC |
| Address | 4 Parkway North<br>Deerfield IL 60015 |
| Well location<br>☐ at owner's address | 72 SE 115th Ave.; Ellinwood, KS |

## WELL WATER USE

Environmental Remediation / Monitoring Mc

## COMPLETION

Depth of completed well: 20 ft.

Depth(s) groundwater encountered:

(1) _____ ft.; (2) _____ ft.;

(3) _____ ft.; (4) ☐ dry well

Static water level in well: 15.80 ft.

✓ measured below land surface on (mm/dd/yy): 04/16/2025

☐ measured above land surface on (mm/dd/yy): _____

Estimated yield: _____ gpm

Water level was: _____ ft. after _____ hours pumping _____ gpm

Pump installed? ☐ Yes ✓ No

Water well disinfected? ☐ Yes ✓ No

Date disinfected (mm/dd/yy): _____

Aquifer, if known:

## NEAREST SOURCE OF POTENTIAL CONTAMINATION

Source: _____

Distance from well: _____ Direction from well: _____

Source description: _____

Source: _____

Distance from well: _____ Direction from well: _____

Source description: _____

✓ No potential source of contamination within 100 feet.

## PERMIT & ID NUMBERS (AS REQUIRED)

DWR Application No.: _____

KDHE / EPA Project Code: C600573617

Site Name: Former Terra Nitrogen

KDHE UIC Class V Form Completed: ☐ Yes ☐ No

County Permit: ☐ Yes ☐ No Permit ID: _____

Lease Name & Well #: _____

# of boreholes: _____ # of dewatering wells: _____

## CONSTRUCTION

Borehole interval: from 0 to 20 ft. — Borehole diameter: 8.5 in.

from _____ to _____ ft. — _____ in.

Casing height above land surface: 30 in.

If casing height is less than 12 in. has a variance been approved?* ☐ Yes ✓ No

*variance not required for monitoring or environmental remediation wells

Casing type: ThermalPlastic

Blank casing interval: 0 ft. to 10 ft.

Blank casing diameter: 2 in.

Casing joints: Threaded

Weight: _____ lbs/ft.

Wall thickness or gauge no.: sch 40

Blank casing interval: _____ ft. to _____ ft.

Blank casing diameter: _____ in.

Casing joints: _____

Weight: _____ lbs/ft.

Wall thickness or gauge no.: _____

Grout interval: 2 ft. to 8 ft.

Grout material: Bentonite

Grout interval: _____ ft. to _____ ft.

Grout material: _____

Screen / perforation material: PVC

Screen / perforation openings: Mill slot

Screen / perforation intervals:

From 10 ft. to 20 ft.

Slot size .01 unit inches

From _____ ft. to _____ ft.

Slot size _____ unit _____

Gravel pack intervals:

Gravel pack not used: ☐ Gravel size _____ in

From 8 ft. to 20 ft.

Gravel pack not used: ☐ Gravel size _____ in

From _____ ft. to _____ ft.

## LITHOLOGIC LOG

| FROM | TO | LITHOLOGY INTERVALS |
|---|---|---|
| Attache | Attache | Attached |
| | | |
| | | |
| | | |
| | | |
| | | |

## COMMENTS

## CONTRACTOR'S OR LANDOWNERS CERTIFICATION

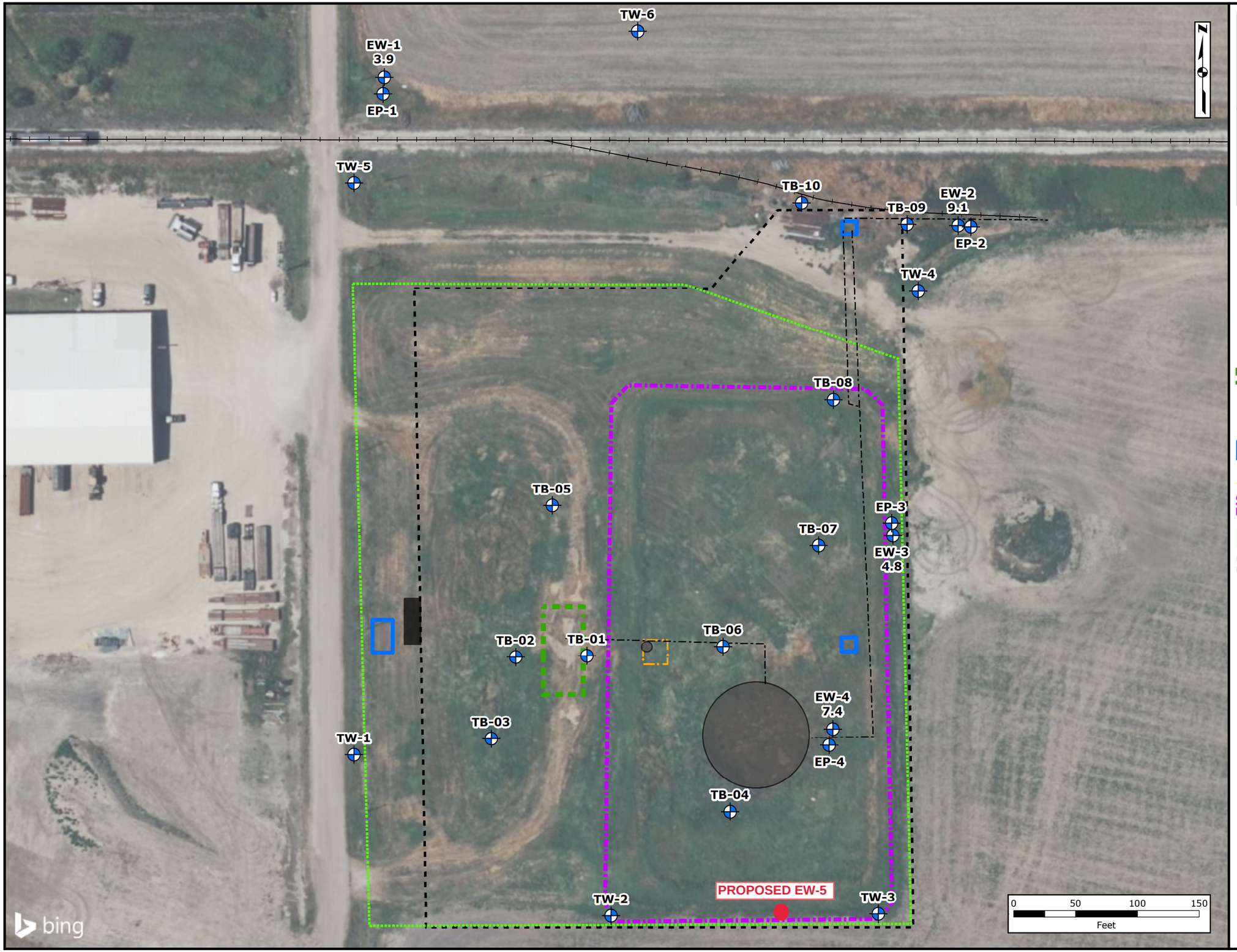
This water well was constructed ✓ reconstructed ☐ pursuant to the stated water well contractor's license and was completed on 04/15/2025. I certify that this record is true to the best of my knowledge and belief. This water well record was completed on 05/16/2025 under the business name of Below Ground Surface, Inc., Kansas Water Well Contractor's License No. 710 under the authority of the designated person as defined in K.A.R. 28-30-2(j) and signed and certified by the electronic signature of the designated person at its submittal: Michael Ocsody.

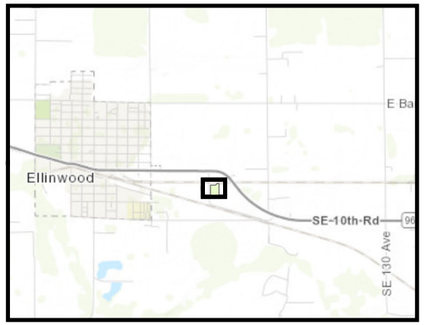
Send one copy to WATER WELL OWNER and retain one for your records. Fee of $5.00 for each constructed well.

| | |
|---|---|
| Form | WWC5.2 - Water Well Record |
| Doc ID | 1840709 |
| Well Owner | CF Industries Sales LLC |
| Contractor | Below Ground Surface, Inc. |

Lithology

| From | To | Lithology Intervals |
|---|---|---|
| 0 | 1 | clay,dark,brown,moist,no staining |
| 1 | 2 | clay,light,brown,moist,no staining |
| 2 | 9 | clay-fat,dark,brown,no staining |
| 9 | 12 | clay,greenish,gray,no staining |
| 12 | 13 | clay,dark,brown,moist,iron oxide staining |
| 13 | 15 | sand,coarse,dark,brown,wet,no staining |
| 15 | 20 | sand,coarse,light,brown,wet,no staining |




**Legend**

- Piezometer, Temporary Well, or Permanent Well Location
- 3.9 Total Nitrogen in Groundwater (mg/L)
- Former Piping
- Railroad
- Former UAN Load Pad
- Former Tank
- Former Scale
- Former Building
- Former Concrete Containment
- Former Earthen Containment Dike
- Former Fence
- Leased Area

**NOTES:**

1. Kansas Presumptive Remedy Policy: Investigation and Cleanup of Nitrogen at Agriculture-Related Sites in Kansas (BER-RS-047) standard where vegetation is present - in groundwater: 10 mg/L. Total Nitrogen = Nitrate-N + Ammonia-N.
2. Aerial Imagery: Bing Maps Aerial
3. Analytical results from 5 March 2024 sampling event

**Figure 2**
**Proposed Monitoring Well Location**
CF Industries Sales, LLC Former Terra Nitrogen Ellinwood, KS

ERM

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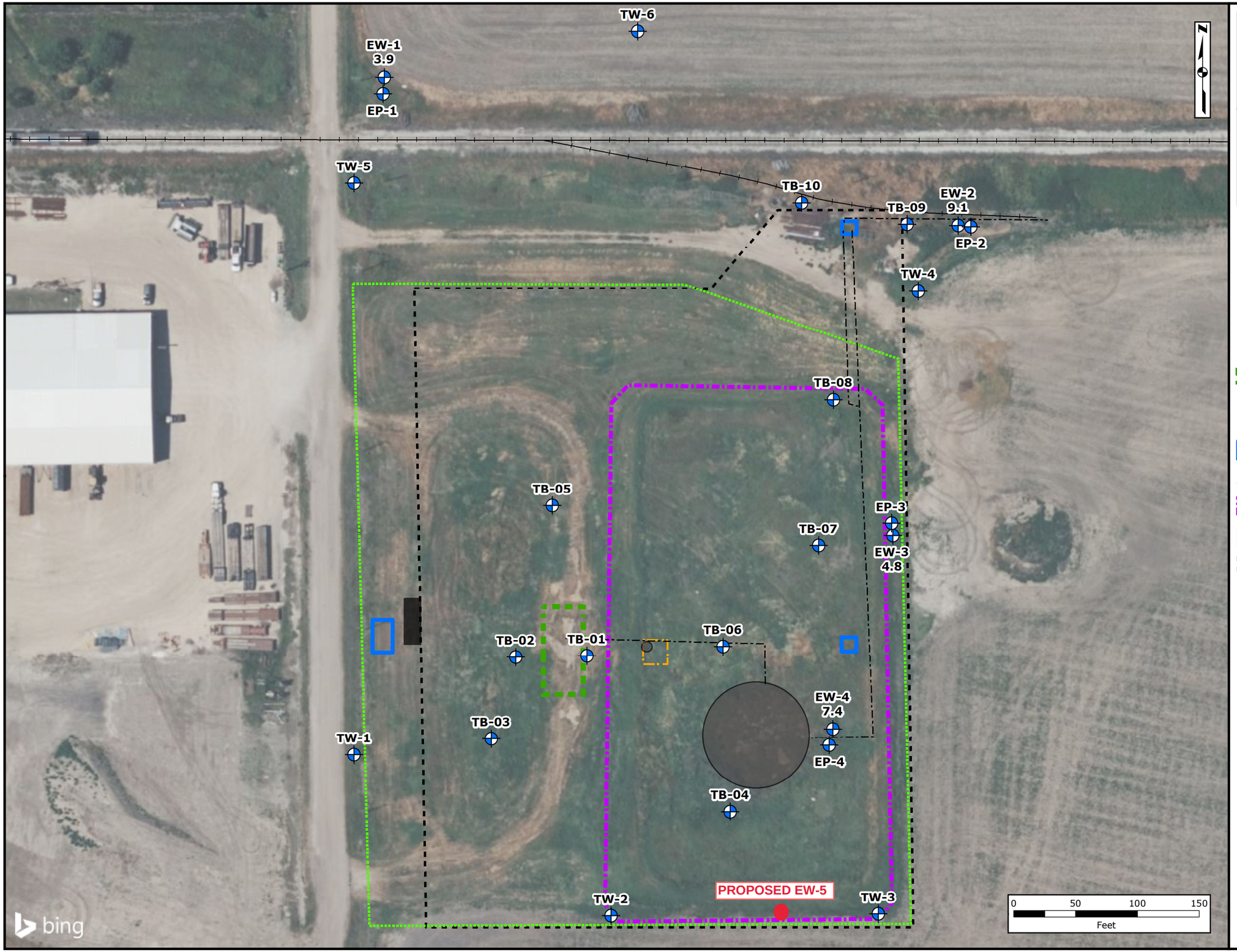


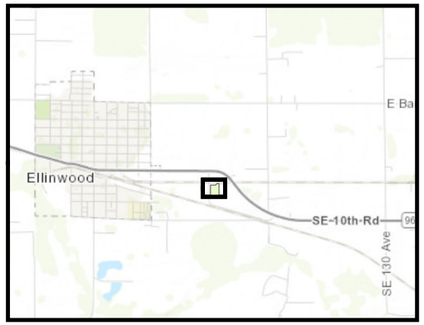


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