

DEPARTMENT OF THE ARMY U.S. ARMY CORPS OF ENGINEERS, ST. LOUIS DISTRICT 1222 SPRUCE STREET ST. LOUIS, MISSOURI 63103

CEMVSOD-F 1 December 2023

MEMORANDUM FOR RECORD

SUBJECT: US Army Corps of Engineers (Corps) Pre-2015 Regulatory Regime Approved Jurisdictional Determination considering *Sackett v. EPA*, 143 S. Ct. 1322 (2023), 1 MVS-2023-566²

BACKGROUND. An Approved Jurisdictional Determination (AJD) is a Corps document stating the presence or absence of waters of the United States on a parcel or a written statement and map identifying the limits of waters of the United States on a parcel. AJDs are clearly designated appealable actions and will include a basis of JD with the document.³ AJDs are case-specific and are typically made in response to a request. AJDs are valid for a period of five years unless new information warrants revision of the determination before the expiration date or a District Engineer has identified, after public notice and comment, that specific geographic areas with rapidly changing environmental conditions merit re-verification on a more frequent basis.⁴ For the purposes of this AJD, we have relied on section 10 of the Rivers and Harbors Act of 1899 (RHA),⁵ the Clean Water Act (CWA) implementing regulations published by the Department of the Army in 1986 and amended in 1993 (references 2.a. and 2.b. respectively), the 2008 Rapanos-Carabell guidance (reference 2.c.), and other applicable guidance, relevant case law and longstanding practice, (collectively the pre-2015 regulatory regime), and the Sackett decision (reference 2.d.) in evaluating iurisdiction.

This Memorandum for Record (MFR) constitutes the basis of jurisdiction for a Corps AJD as defined in 33 CFR §331.2. The features addressed in this AJD were evaluated consistent with the definition of "waters of the United States" found in the pre-2015 regulatory regime and consistent with the Supreme Court's decision in *Sackett*. This AJD did not rely on the 2023 "Revised Definition of 'Waters of the United States," as

¹ While the Supreme Court's decision in *Sackett* had no effect on some categories of waters covered under the CWA, and no effect on any waters covered under RHA, all categories are included in this Memorandum for Record for efficiency.

² When documenting aquatic resources within the review area that are jurisdictional under the Clean Water Act (CWA), use an additional MFR and group the aquatic resources on each MFR based on the TNW, interstate water, or territorial seas that they are connected to. Be sure to provide an identifier to indicate when there are multiple MFRs associated with a single AJD request (i.e., number them 1, 2, 3, etc.).

³ 33 CFR 331.2.

⁴ Regulatory Guidance Letter 05-02.

⁵ USACE has authority under both Section 9 and Section 10 of the Rivers and Harbors Act of 1899 but for convenience, in this MFR, jurisdiction under RHA will be referred to as Section 10.

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amended on 8 September 2023 (Amended 2023 Rule) because, as of the date of this decision, the Amended 2023 Rule is not applicable Missouri due to litigation.

1. SUMMARY OF CONCLUSIONS.

- a. Provide a list of each individual feature within the review area and the jurisdictional status of each one (i.e., identify whether each feature is/is not a water of the United States and/or a navigable water of the United States).
 - i. WTL-1 (0.008-acres), non-jurisdictional
 - ii. WTL-2a (0.018-acres), jurisdictional, Section 404
 - iii. WTL-2b (0.003-acres), non-jurisdictional
 - iv. WTL-3a (0.020-acres), non-jurisdictional
 - v. WTL-3b (0.072-acres), non-jurisdictional
- vi. WTL-4 (0.083-acres), non-jurisdictional
- vii. WTL-5 (0.081-acres), non-jurisdictional
- viii. WTL-6 (0.023-acres), non-jurisdictional
- ix. WTL-7a (0.013-acres), jurisdictional, Section 404
- x. WTL-7b (0.005-acres), jurisdictional, Section 404
- xi. WTL-7c (0.006-acres), jurisdictional, Section 404
- xii. WTL-8a (0.017-acres), non-jurisdictional
- xiii. WTL-8b (0.017-acres), non-iurisdictional
- xiv. WTL-8c (0.011-acres), non-jurisdictional
- xv. WTL-9 (0.143-acres), non-jurisdictional
- xvi. WTL-10 (0.011-acres), non-jurisdictional
- xvii. WTL-11 (0.027-acres), jurisdictional, Section 404
- xviii. WTL-12 (0.007-acres), jurisdictional, Section 404
- xix. WTL-13 (0.024-acres), jurisdictional, Section 404
- xx. WTL-14 (0.017-acres), jurisdictional, Section 404
- xxi. WTL-15 (0.097-acres), non-jurisdictional
- xxii. WTL-16 (0.005-acres), non-jurisdictional
- xxiii. WTL-17 (0.060-acres), non-jurisdictional
- xxiv. WTL-18 (0.012-acres), jurisdictional, Section 404
- xxv. WTL-19 (0.061-acres), jurisdictional, Section 404
- xxvi. WTL-20 (0.083-acres), non-jurisdictional
- xxvii. WTL-21 (0.016-acres), jurisdictional, Section 404
- xxviii. WTL-22 (0.029-acres), non-jurisdictional
- xxix. WTL-23 (0.199-acres), non-jurisdictional
- xxx. WTL-24 (0.025-acres), non-jurisdictional
- xxxi. WTL-25 (0.041-acres), jurisdictional, Section 404
- xxxii. WTL-26 (0.008-acres), non-jurisdictional
- xxxiii. WTL-27 (0.029-acres), non-jurisdictional

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WTL-28 (0.010-acres), non-jurisdictional
 xxxiv.
          WTL-29 (0.003-acres), non-jurisdictional
 XXXV.
 xxxvi.
          WTL-30 (0.015-acres), non-jurisdictional
XXXVII.
          WTL-31 (0.002-acres), non-jurisdictional
          STR-1 (3841 LF), jurisdictional, Section 404
XXXVIII.
 XXXIX.
          STR-2 (4453 LF), jurisdictional, Section 404
    χl.
          STR-3 (1004 LF), non-jurisdictional
   xli.
          STR-4 (253 LF), non-jurisdictional
   xlii.
          STR-5 (206 LF), non-jurisdictional
   xliii.
          STR-6 (778 LF), non-jurisdictional
  xliv.
          STR-7 (76 LF), jurisdictional, Section 404
   xlv.
          STR-8 (134 LF), non-jurisdictional
          STR-9 (962 LF), non-jurisdictional
  xlvi.
  xlvii.
          STR-10 (1649 LF), non-jurisdictional
          STR-11 (1271 LF), non-jurisdictional
 xlviii.
  xlix.
          STR-12 (981 LF), non-jurisdictional
          STR-13 (55 LF), non-jurisdictional
     ١.
     li.
          STR-14 (103 LF), non-jurisdictional
    lii.
          STR-15 (182 LF), non-jurisdictional
    liii.
          STR-16 (185 LF), non-jurisdictional
    liv.
          STR-17 (398 LF), non-jurisdictional
    l۷.
          STR-18 (1226 LF), non-jurisdictional
   lvi.
          STR-19 (51 LF), jurisdictional, Section 404
   lvii.
          STR-20 (211 LF), non-jurisdictional
   lviii.
          STR-21 (449 LF), non-jurisdictional
   lix.
          STR-22 (598 LF), non-jurisdictional
          STR-23 (77 LF), non-jurisdictional
    lx.
   lxi.
          STR-24 (95 LF), non-jurisdictional
   lxii.
          STR-25 (345 LF), non-jurisdictional
   lxiii.
          STR-26 (155 LF), non-jurisdictional
  lxiv.
          OWF-1 (2.8-acres), non-jurisdictional
   lxv.
          OWF-2 (0.24-acres), non-jurisdictional
  lxvi.
          UDF 1-27, non-jurisdictional
  lxvii.
          Ditch 1-4, non-jurisdictional
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2. REFERENCES.

- a. Final Rule for Regulatory Programs of the Corps of Engineers, 51 FR 41206 (November 13, 1986).
- b. Clean Water Act Regulatory Programs, 58 FR 45008 (August 25, 1993).

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- c. U.S. EPA & U.S. Army Corps of Engineers, Clean Water Act Jurisdiction Following the U.S. Supreme Court's Decision in *Rapanos v. United States & Carabell v. United States* (December 2, 2008)
- d. Sackett v. EPA, 598 U.S. , 143 S. Ct. 1322 (2023)
- e. Wetland Delineation Report, dated September 2023
- f. USACE Regulatory GIS Viewer
- 3. REVIEW AREA. Review area is approximately 585-acres in size, located in Jefferson County, Missouri. Approximate coordinates: 38.1701 latitude, -90.3197 longitude.
- 4. NEAREST TRADITIONAL NAVIGABLE WATER (TNW), INTERSTATE WATER, OR THE TERRITORIAL SEAS TO WHICH THE AQUATIC RESOURCE IS CONNECTED. The nearest TNW is the Mississippi River, which is a navigable-in fact water.⁶
- 5. FLOWPATH FROM THE SUBJECT AQUATIC RESOURCES TO A TNW, INTERSTATE WATER, OR THE TERRITORIAL SEAS. Resources flow generally east via unnamed tributaries to the Mississippi River.
- 6. SECTION 10 JURISDICTIONAL WATERS⁷: Describe aquatic resources or other features within the review area determined to be jurisdictional in accordance with Section 10 of the Rivers and Harbors Act of 1899. Include the size of each aquatic resource or other feature within the review area and how it was determined to be jurisdictional in accordance with Section 10.8 N/A

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⁶ This MFR should not be used to complete a new stand-alone TNW determination. A stand-alone TNW determination for a water that is not subject to Section 9 or 10 of the Rivers and Harbors Act of 1899 (RHA) is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established.

⁷ 33 CFR 329.9(a) A waterbody which was navigable in its natural or improved state, or which was susceptible of reasonable improvement (as discussed in § 329.8(b) of this part) retains its character as "navigable in law" even though it is not presently used for commerce, or is presently incapable of such use because of changed conditions or the presence of obstructions.

⁸ This MFR is not to be used to make a report of findings to support a determination that the water is a navigable water of the United States. The district must follow the procedures outlined in 33 CFR part 329.14 to make a determination that water is a navigable water of the United States subject to Section 10 of the RHA.

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- 7. SECTION 404 JURISDICTIONAL WATERS: Describe the aquatic resources within the review area that were found to meet the definition of waters of the United States in accordance with the pre-2015 regulatory regime and consistent with the Supreme Court's decision in Sackett. List each aquatic resource separately, by name, consistent with the naming convention used in section 1, above. Include a rationale for each aquatic resource, supporting that the aquatic resource meets the relevant category of "waters of the United States" in the pre-2015 regulatory regime. The rationale should also include a written description of, or reference to a map in the administrative record that shows, the lateral limits of jurisdiction for each aquatic resource, including how that limit was determined, and incorporate relevant references used. Include the size of each aquatic resource in acres or linear feet and attach and reference related figures as needed.
 - a. TNWs (a)(1): N/A
 - b. Interstate Waters (a)(2): N/A
 - c. Other Waters (a)(3): N/A
 - d. Impoundments (a)(4): N/A
 - e. Tributaries (a)(5): STR-1, STR-2, & STR-7 are RPWs that exhibit perennial flow as observed on site visits. Site visits were conducted in the dry season, where drier than normal, and were in a time of mild drought. STR-19 is a spring fed, first order stream that exhibits ground-water flow from a spring. This flows through the Non-RPW STR-18 into the RPW STR-1.
 - f. The territorial seas (a)(6): N/A
 - g. Adjacent wetlands (a)(7): WTL-2A is connected to STR-2, and possess a continuous surface connection, via a discrete drainage feature. WTL-7a, WTL-7b, & WTL-7c directly abut STR-2. WTL-11, WTL-12, WTL-13, & WTL-14 are connected to STR-1, and possess a continuous surface connection, via discrete drainage features. WTL-18 is connected to STR-1, and possess a continuous surface connection, via discrete drainage feature. WTL-19, WTL-21, & WTL-25 directly abut STR-1.

8. NON-JURISDICTIONAL AQUATIC RESOURCES AND FEATURES

a. Describe aquatic resources and other features within the review area identified as "generally non-jurisdictional" in the preamble to the 1986 regulations (referred

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to as "preamble waters"). Include size of the aquatic resource or feature within the review area and describe how it was determined to be non-jurisdictional under the CWA as a preamble water. OWF 1 & OWF 2 were excavated in uplands as settling basins.

- b. Describe aquatic resources and features within the review area identified as "generally not jurisdictional" in the *Rapanos* guidance. Include size of the aquatic resource or feature within the review area and describe how it was determined to be non-jurisdictional under the CWA based on the criteria listed in the guidance. N/A
- c. Describe aquatic resources and features identified within the review area as waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA. Include the size of the waste treatment system within the review area and describe how it was determined to be a waste treatment system. N/A
- d. Describe aquatic resources and features within the review area determined to be prior converted cropland in accordance with the 1993 regulations (reference 2.b.). Include the size of the aquatic resource or feature within the review area and describe how it was determined to be prior converted cropland. N/A
- e. Describe aquatic resources (i.e. lakes and ponds) within the review area, which do not have a nexus to interstate or foreign commerce, and prior to the January 2001 Supreme Court decision in "SWANCC," would have been jurisdictional based solely on the "Migratory Bird Rule." Include the size of the aquatic resource or feature, and how it was determined to be an "isolated water" in accordance with SWANCC. N/A
- f. Describe aquatic resources and features within the review area that were determined to be non-jurisdictional because they do not meet one or more categories of waters of the United States under the pre-2015 regulatory regime consistent with the Supreme Court's decision in *Sackett* (e.g., tributaries that are non-relatively permanent waters; non-tidal wetlands that do not have a continuous surface connection to a jurisdictional water). STR-3, STR-4, STR-5, STR-6, STR-8, STR-9, STR-10, STR-11, STR-12, STR-13, STR-14, STR-15, STR-16, STR-17, STR-20, STR-21, STR-22, STR-23, STR-25, & STR-26 are non-relatively permanent tributaries that only flow in response to rainfall events. STR-18 exhibits mixed ephemeral/intermittent flow but as 54% of the stream is ephemeral (lengths transposed in table) it is

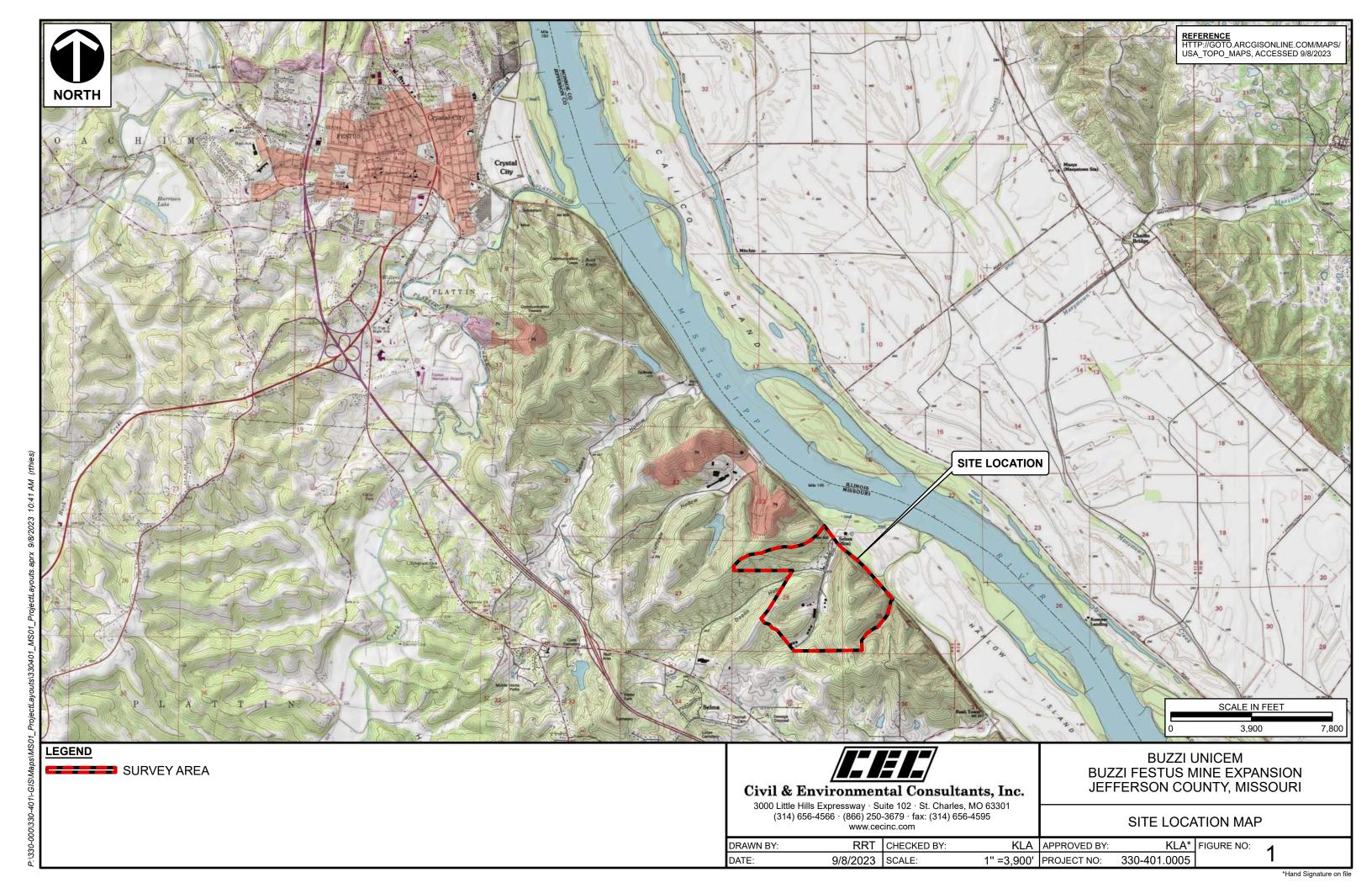
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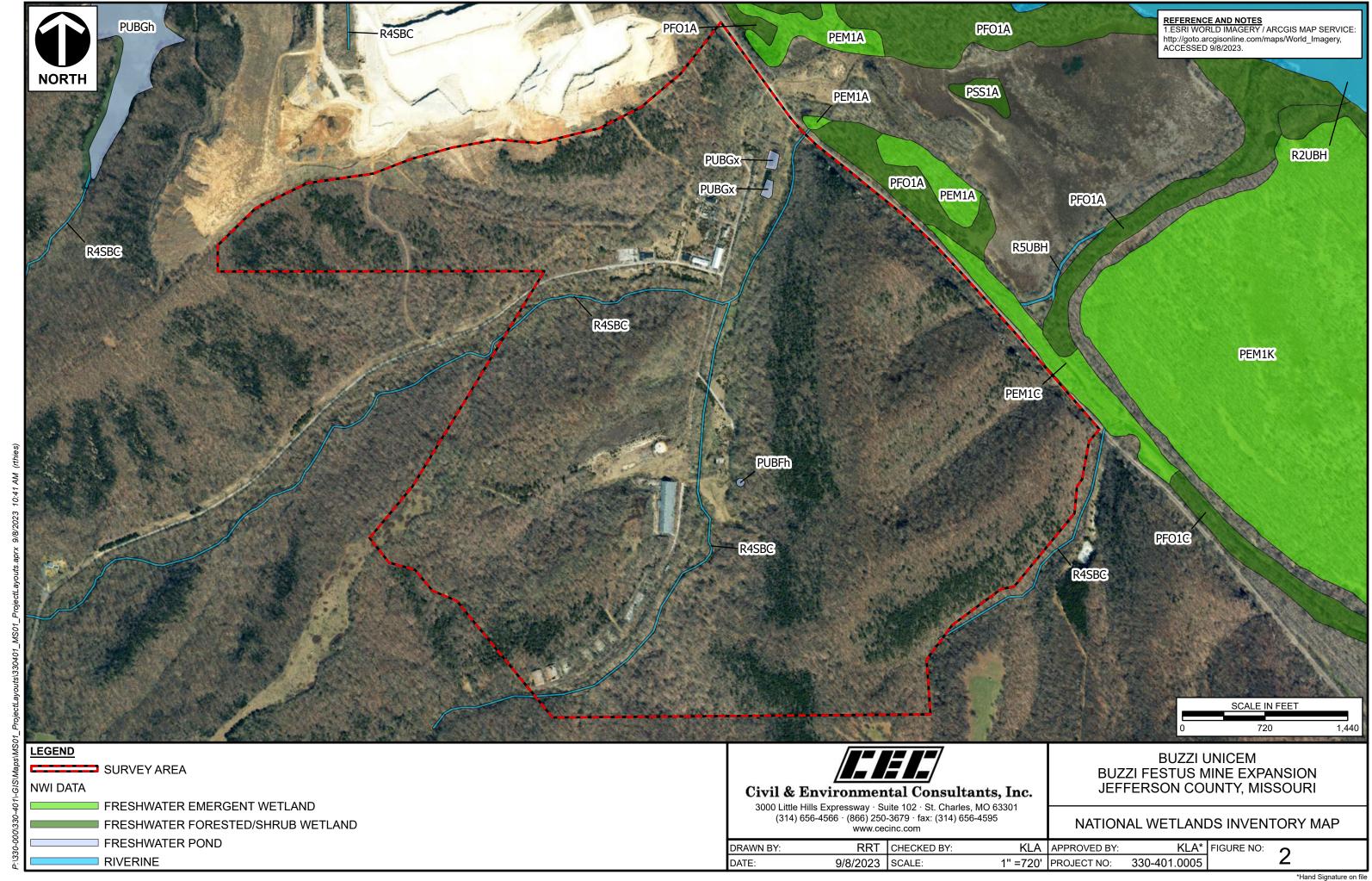
⁹ 51 FR 41217, November 13, 1986.

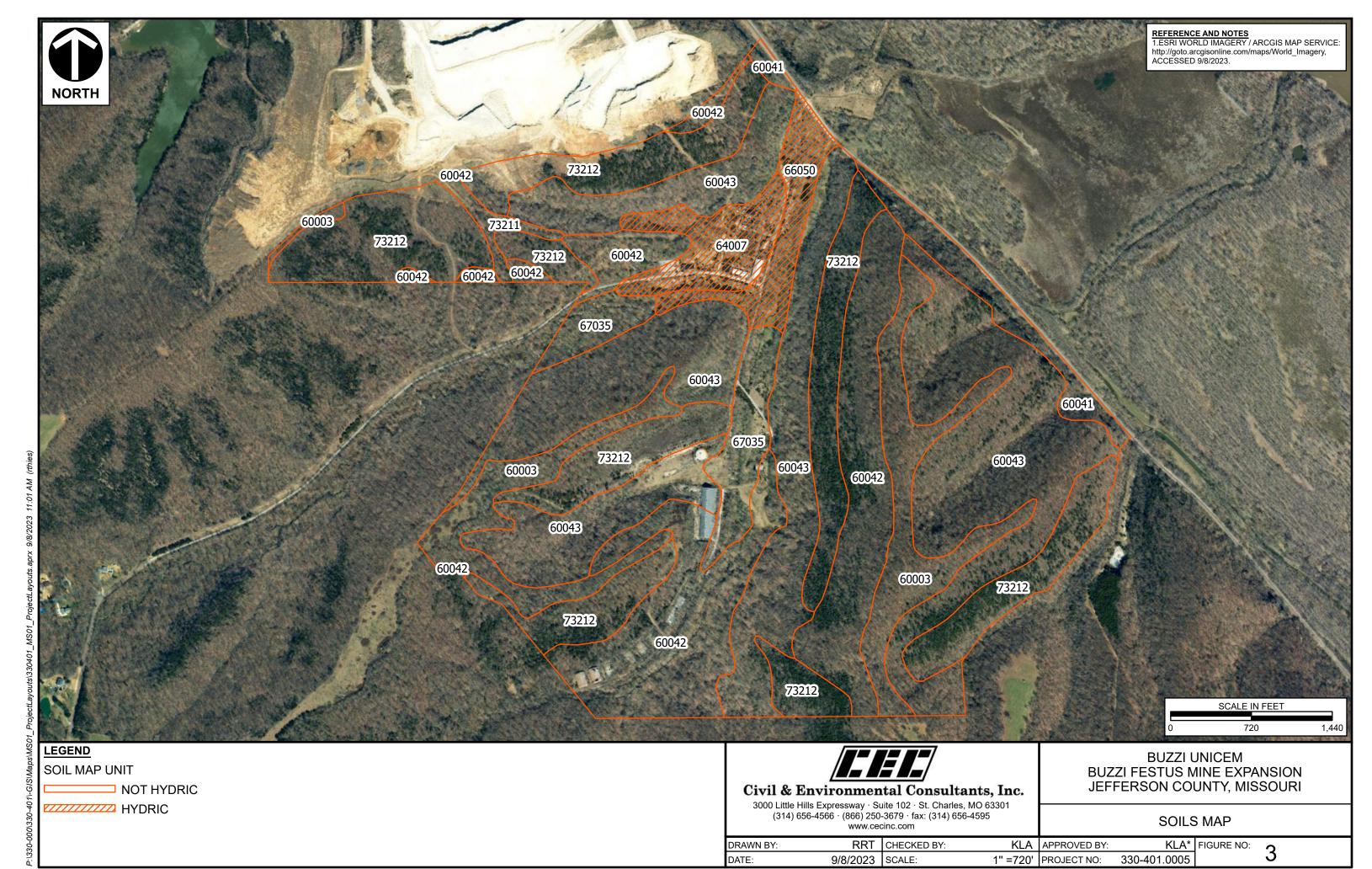
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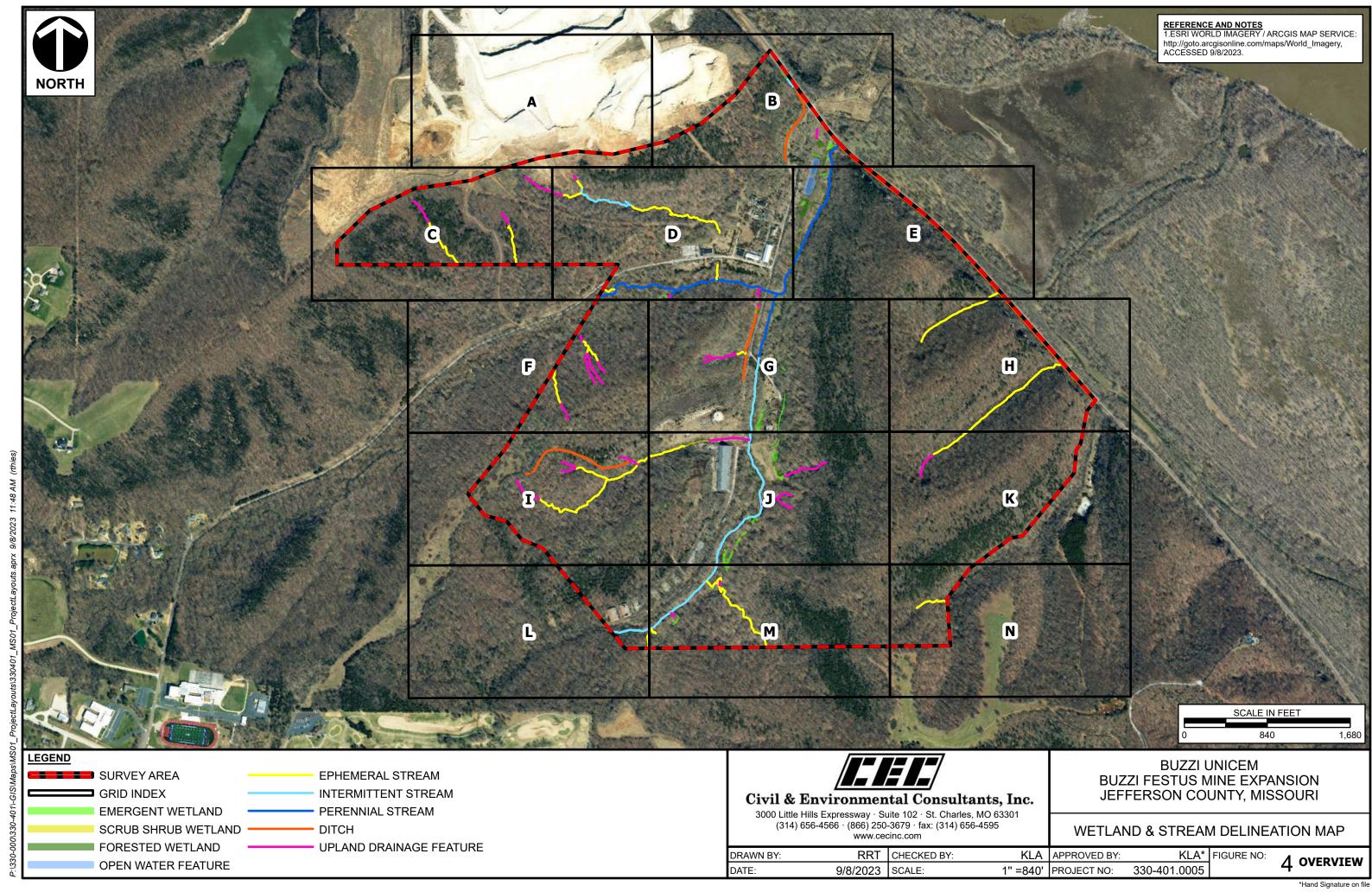
categorized as a non-RPW. STR-24 is likely spring fed but does not possess a known surface outlet so does not flow directly or indirectly to a TNW. WTL-1, WTL-2b, WTL-3a, WTL-3b, WTL-4, WTL-5, WTL-6, WTL-8a, WTL-8b, WTL-8c, WTL-9, WTL-10, WTL-15, WTL-16 do not possess a continuous surface connection to a downstream RPW. WTL-20, WTL-22, WTL-23, WTL-24, & WTL-26 are connected via perched culverts to other wetlands and do not themselves possess a continuous surface connection via a discrete physical feature to a downstream RPW. WTL-27, WTL-28, WTL-29, WTL-30, & WTL-31 do not possess a continuous surface connection to a downstream RPW. WTL-17 is an excavated ditch with wetland characteristics in the bottom. UDF 1-27 & Ditches 1-4 do not possess characteristics of tributaries, lacking indicators of ordinary high-water mark and/or bed/bank features.

- 9. DATA SOURCES. List sources of data/information used in making determination. Include titles and dates of sources used and ensure that information referenced is available in the administrative record.
 - a. Several office evaluations as well as a Webex call with requestor & agent on 27 October 2023.
 - b. Delineation Report dated September 2023.
 - c. Online resources such as historic aerials, Regulatory GIS viewer, accessed multiple times.
- 10. OTHER SUPPORTING INFORMATION. Conclusions reached by agent often did not follow pre-2015 regime as it conforms with Sackett decision, but detailed write-ups, photos, and maps allowed for accurate categorization of aquatic resources.
- 11. NOTE: The structure and format of this MFR were developed in coordination with the EPA and Department of the Army. The MFR's structure and format may be subject to future modification or may be rescinded as needed to implement additional guidance from the agencies; however, the approved jurisdictional determination described herein is a final agency action.











SURVEY AREA

PHOTO LOCATION

REFERENCE AND NOTES
1.ESRI WORLD IMAGERY /
ARCGIS MAP SERVICE:
http://goto.arcgisonline.com/
maps/World_Imagery,
ACCESSED 9/8/2023, IMAGERY
DATE: 2015.

SCALE IN FEET

150



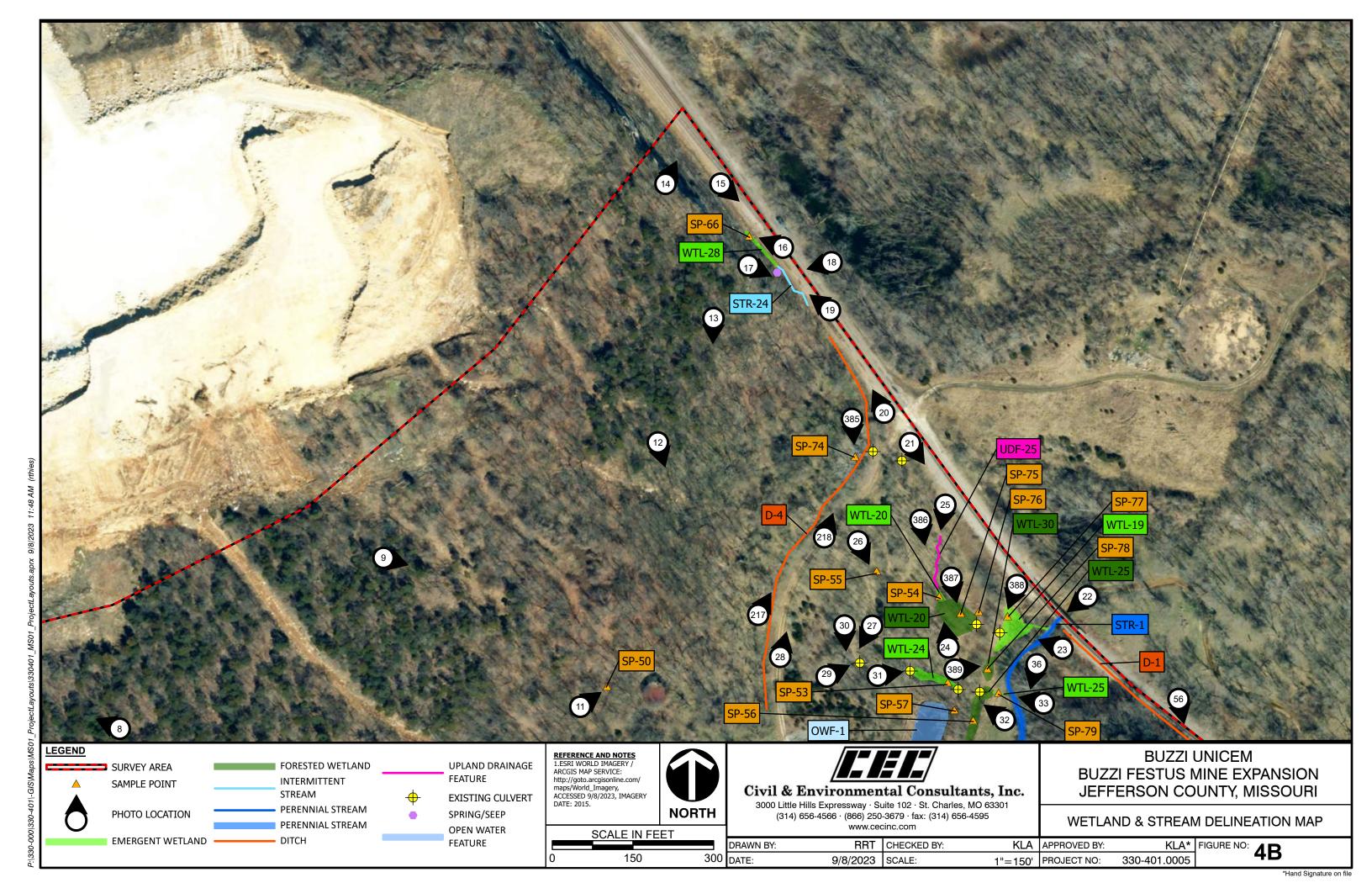
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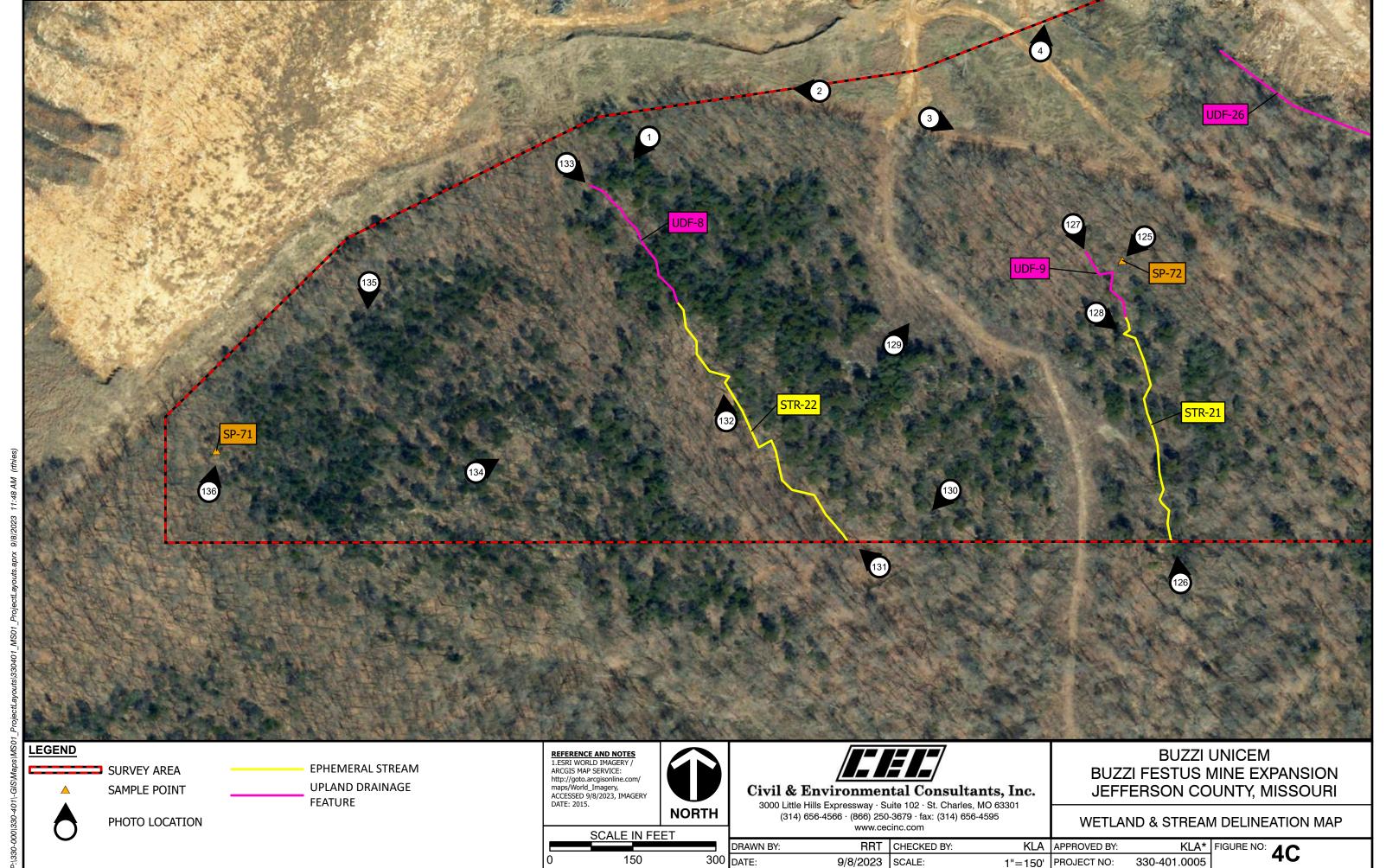
Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway · Suite 102 · St. Charles, MO 63301
(314) 656-4566 · (866) 250-3679 · fax: (314) 656-4595
www.cecinc.com

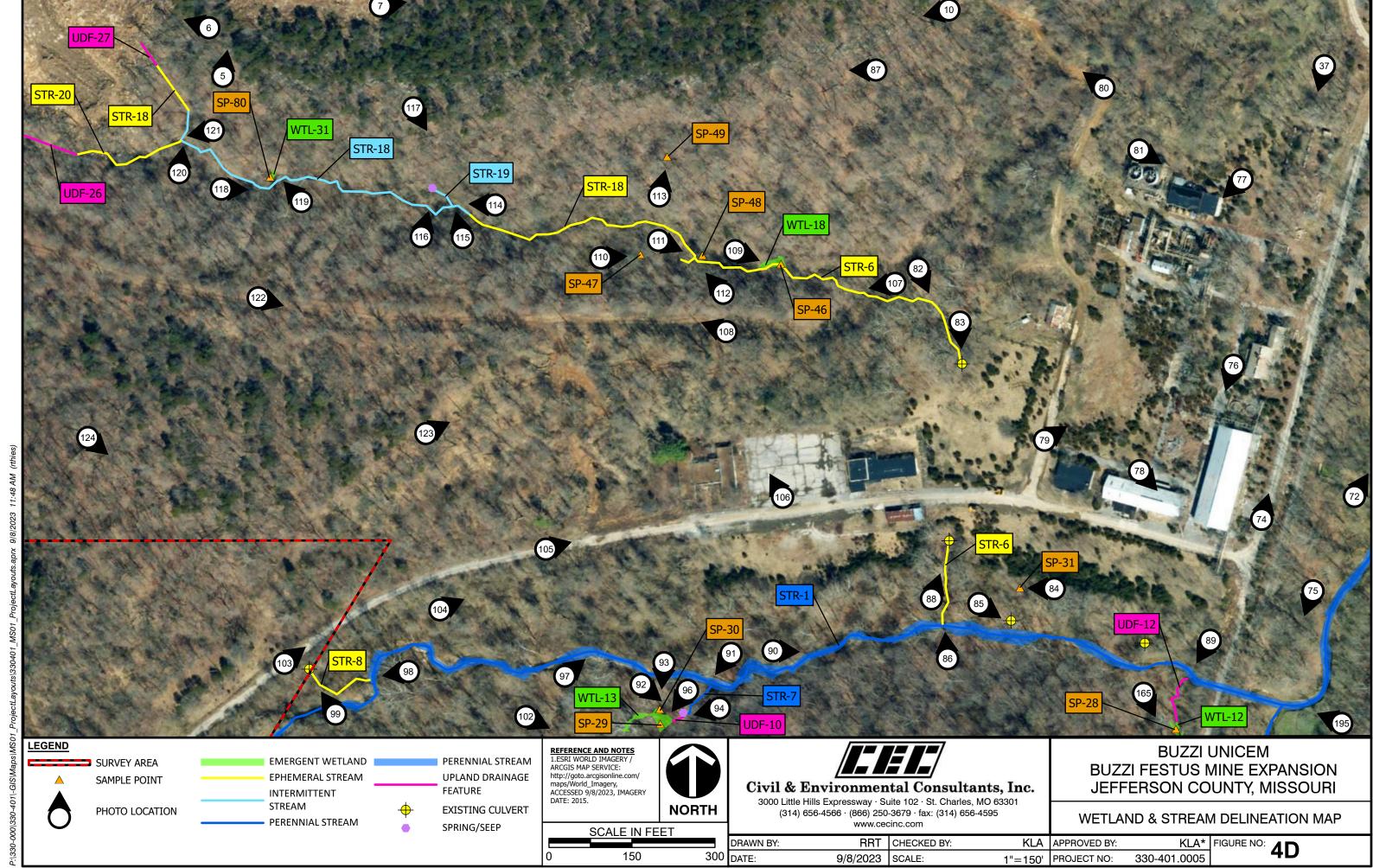
BUZZI FESTUS MINE EXPANSION JEFFERSON COUNTY, MISSOURI

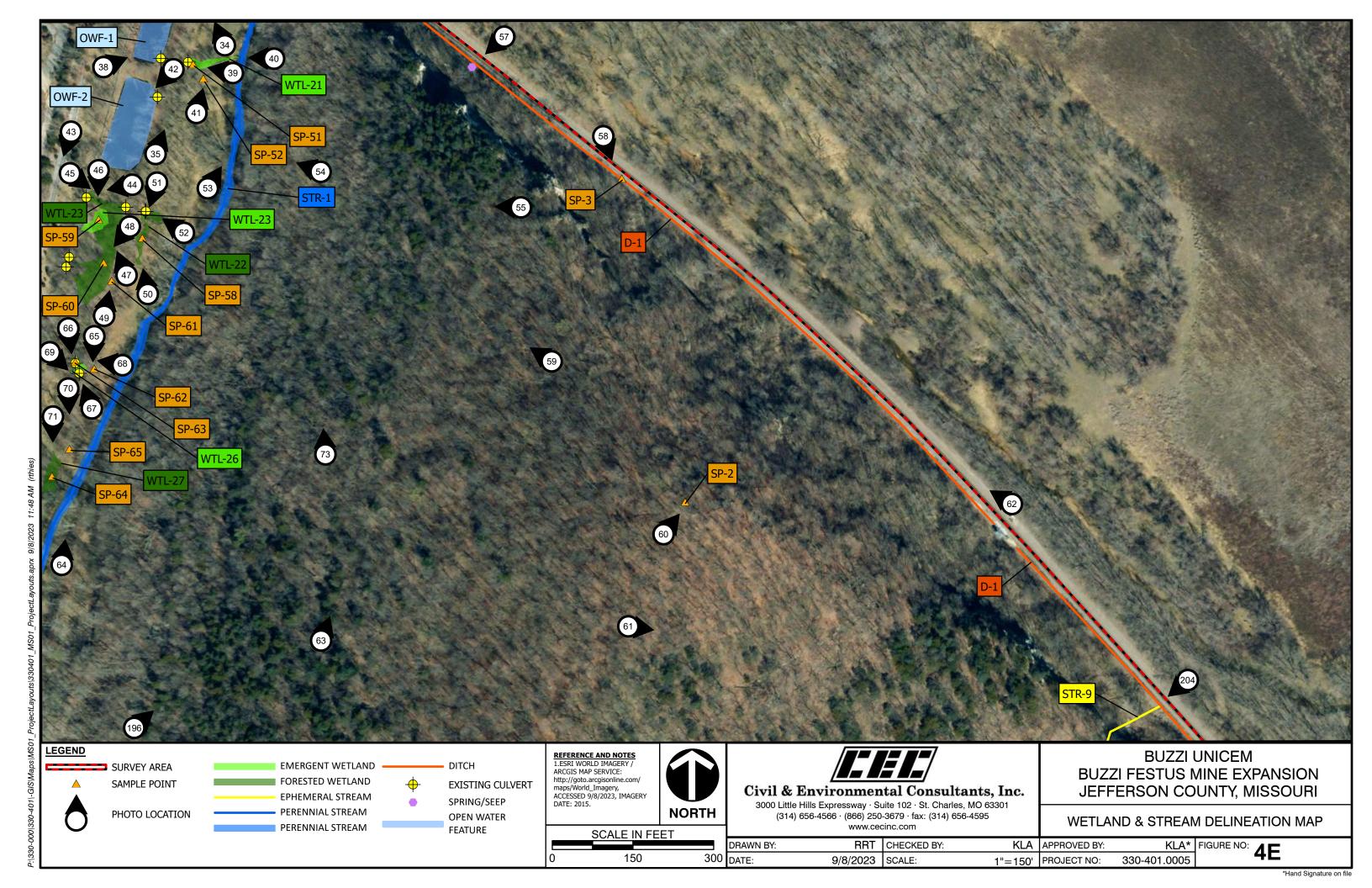
WETLAND & STREAM DELINEATION MAP

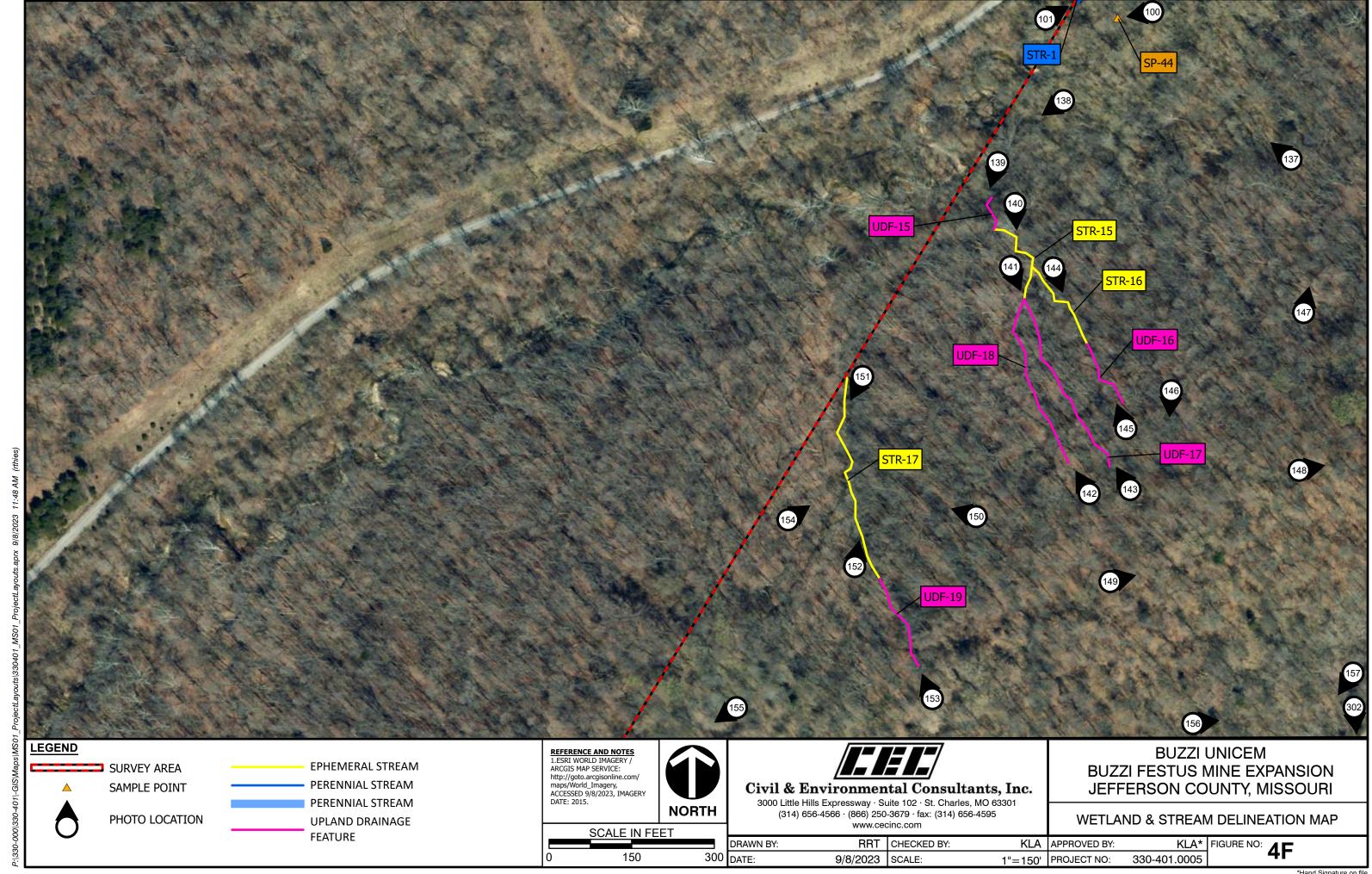
KLA* FIGURE NO: 4A DRAWN BY: RRT CHECKED BY: KLA APPROVED BY: 9/8/2023 SCALE: 330-401.0005 1"=150' PROJECT NO:

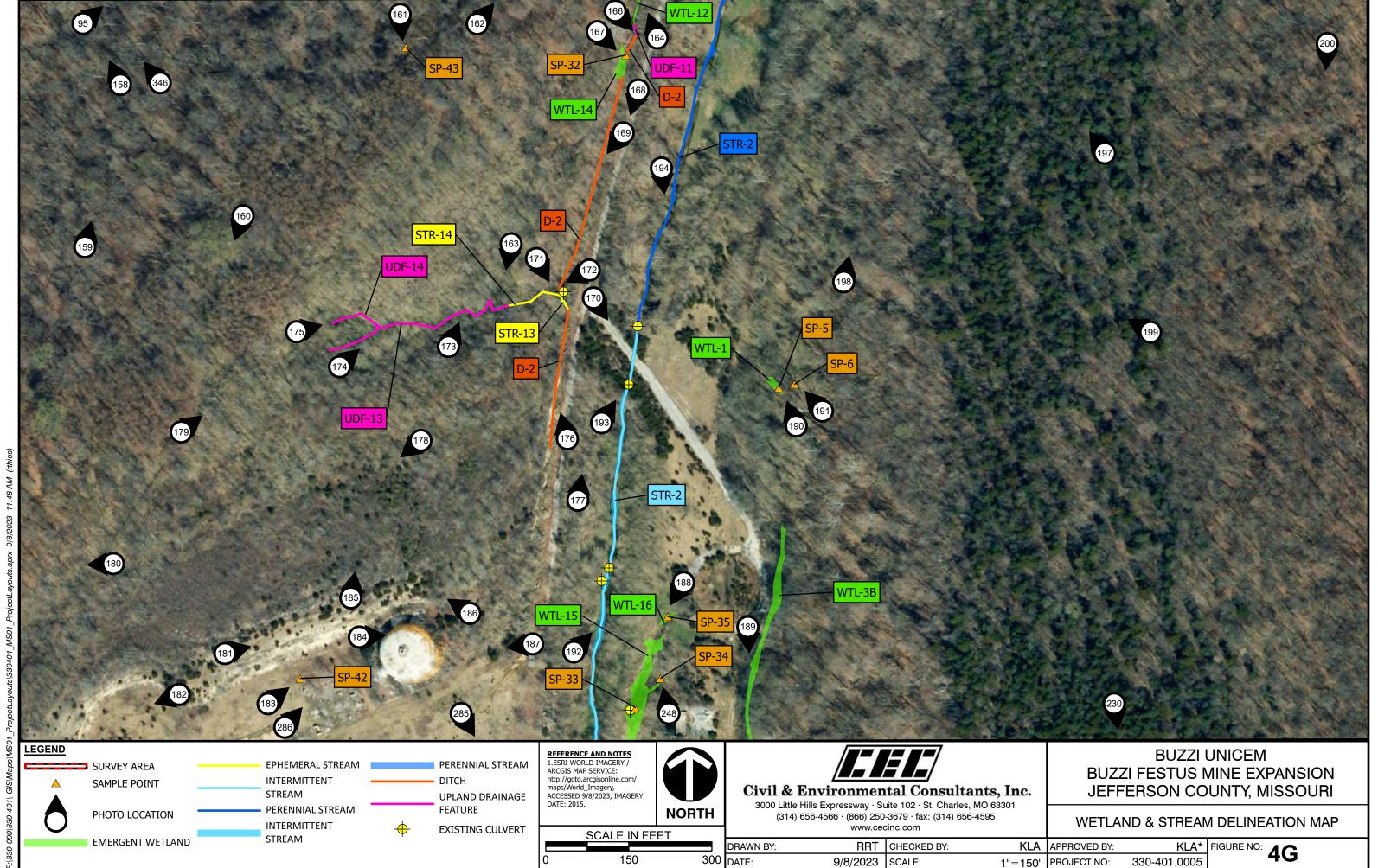


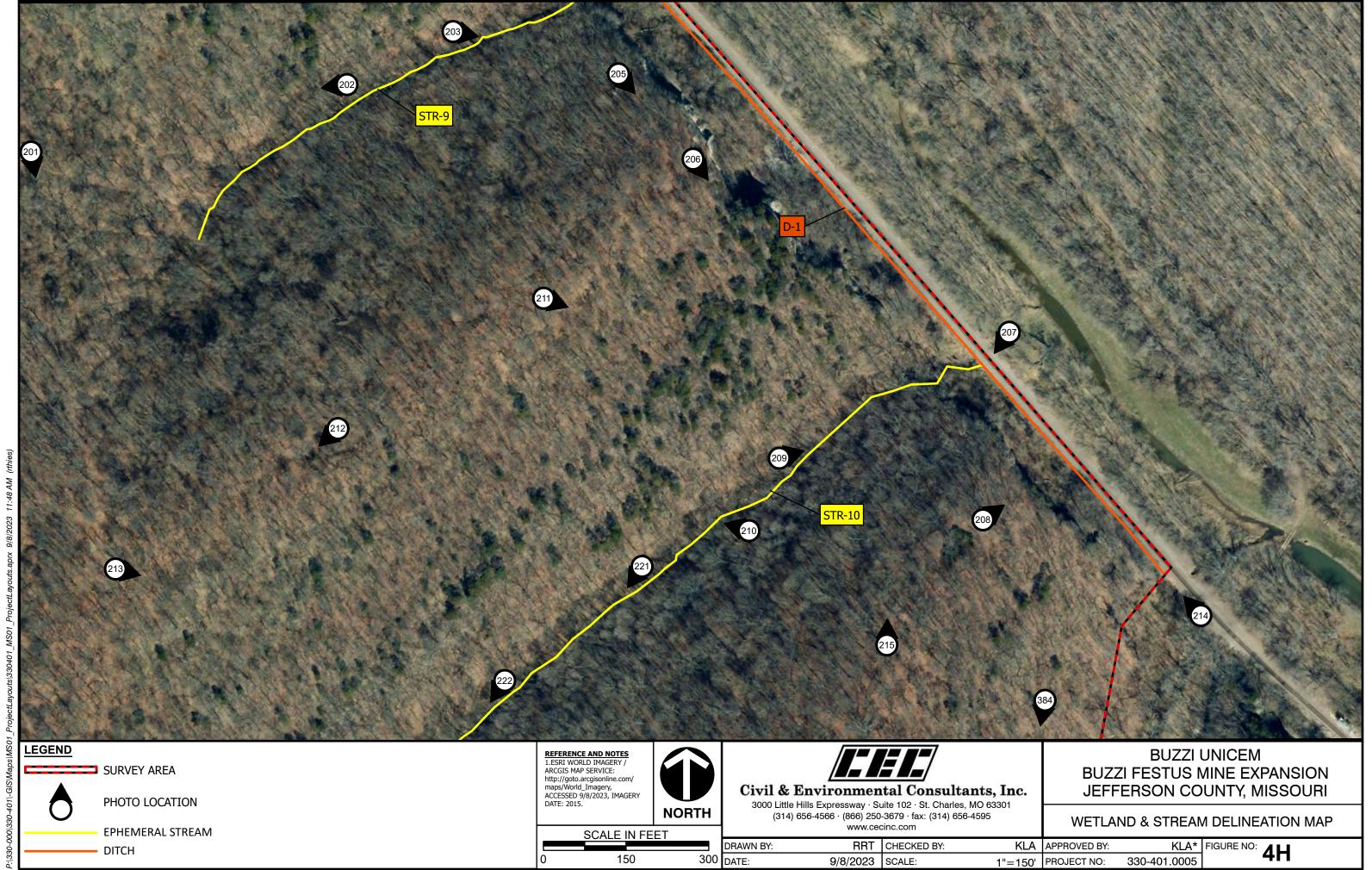


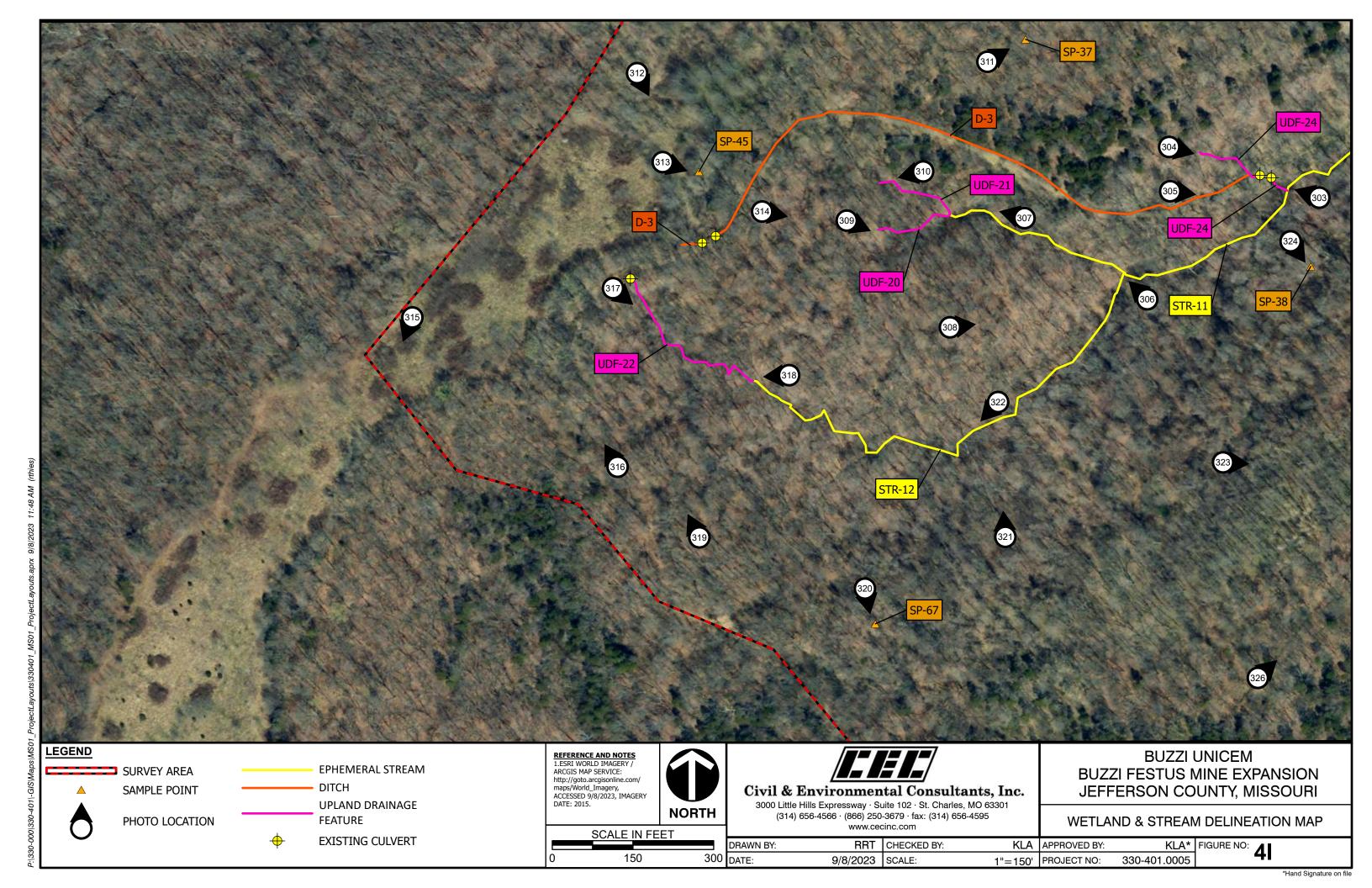


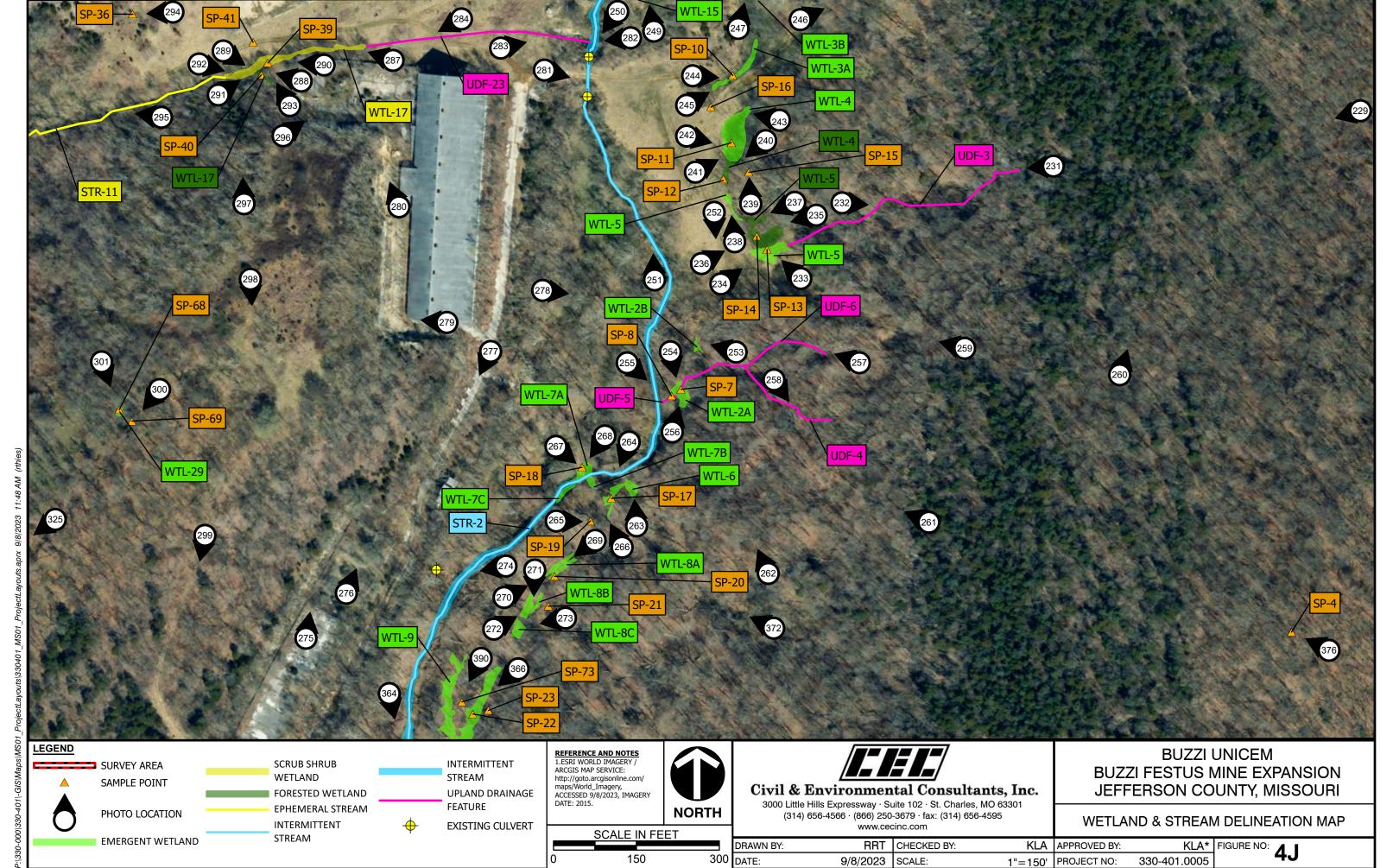


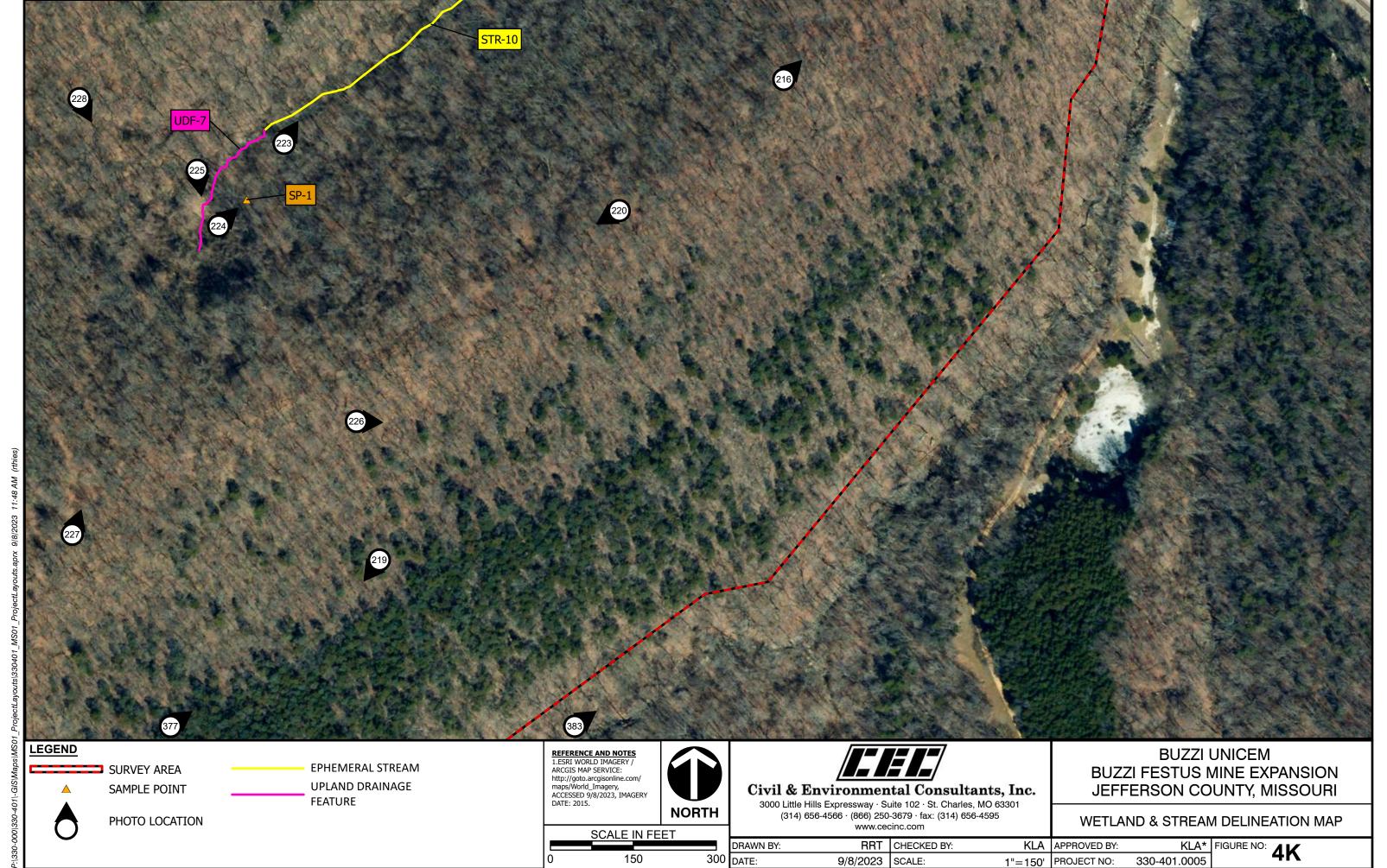


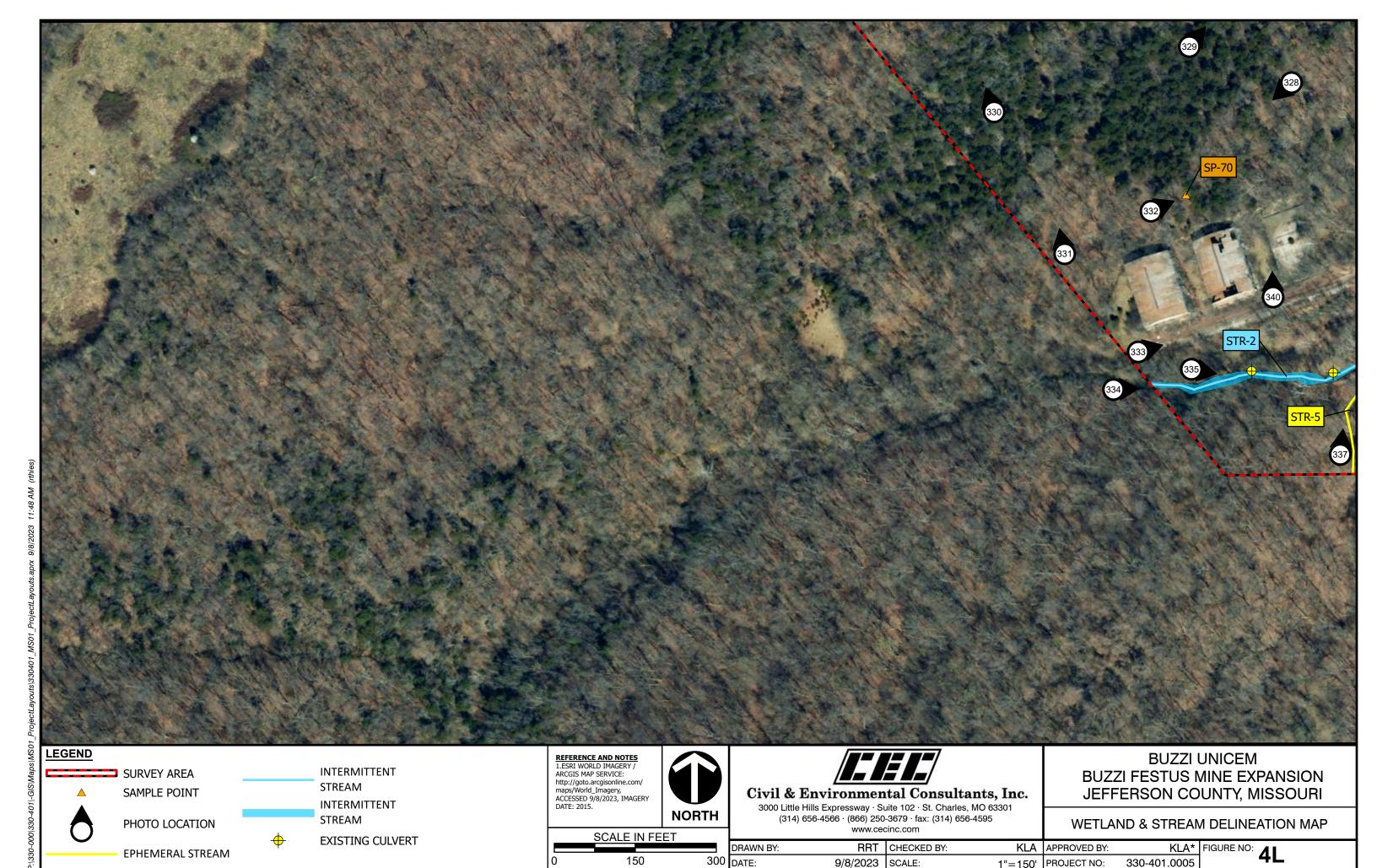












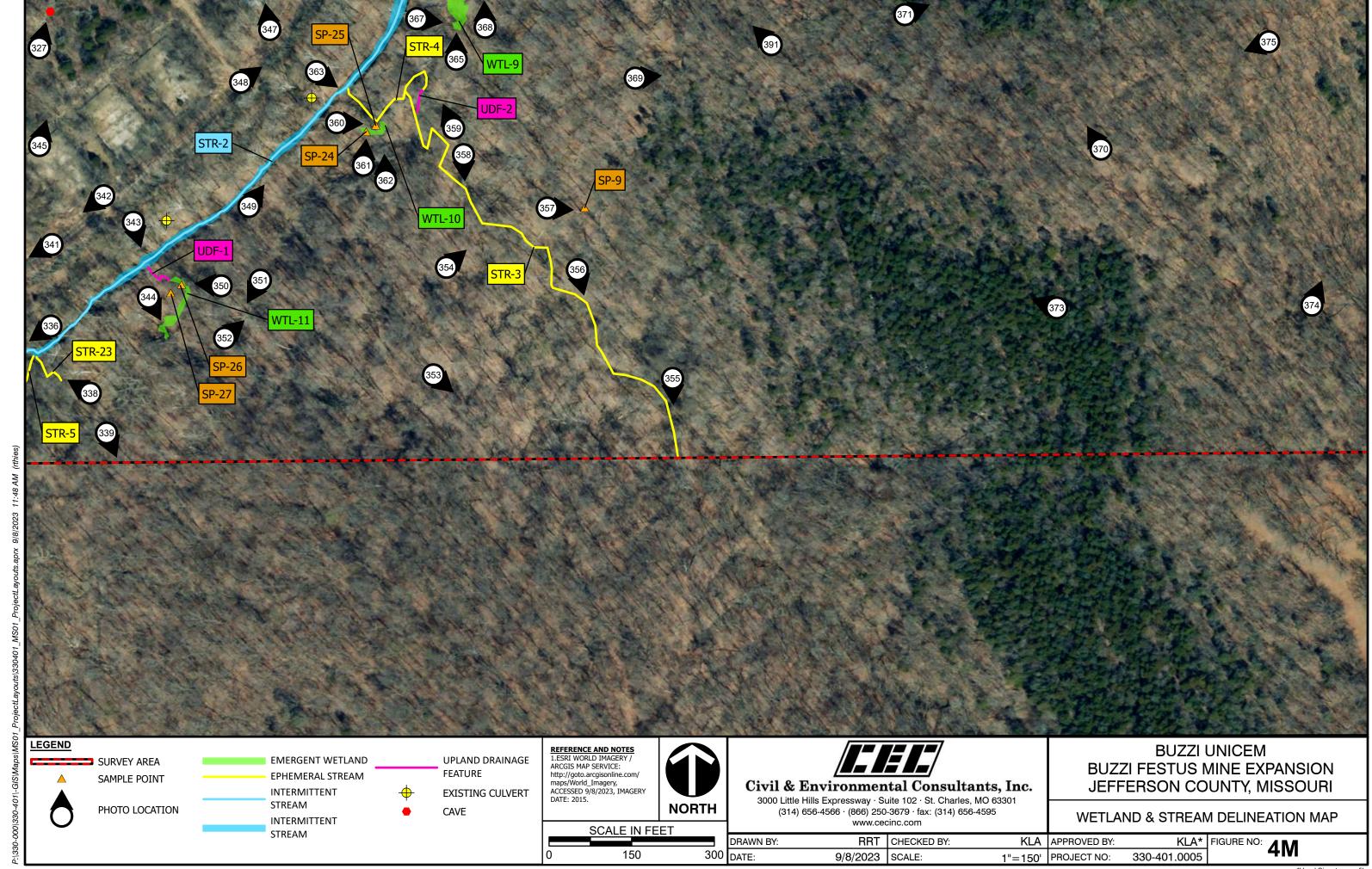
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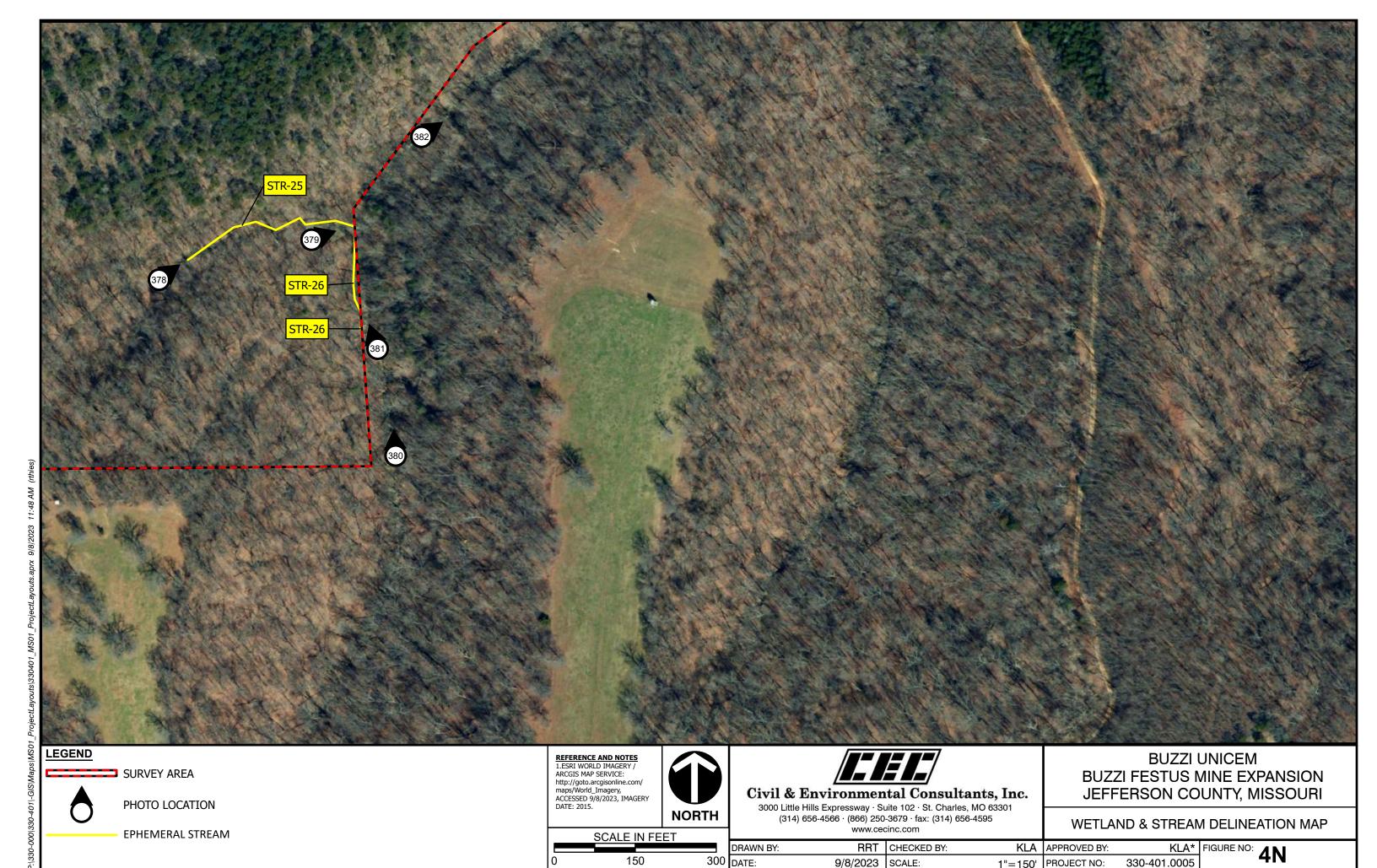
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9/8/2023 | SCALE:

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1"=150' PROJECT NO: