SUBJECT: Electronic Red-lines, As-builts, and Record Drawings

CATEGORY: Directive and Guidance

1. References:
   a. Unified Facilities Guide Specification (UFGS) 01 78 00, Closeout Submittals
   b. Engineering Regulation (ER) 415-345-38, Transfer and Warranties

2. Purpose. This Engineering and Construction Bulletin (ECB) requires the use of electronic format for developing red-lines, maintaining as-builts, and delivering record drawings throughout the construction process for all USACE Army projects.

3. Background. The U.S. Army Corps of Engineers (USACE) ardently supports streamlining business processes and effective use of available technology. The use of an electronic format for documentation of red-lines and as-builts, and delivery of record drawings during construction facilitates the shift from a paper-based to an electronic workflow. Additionally, digital platforms improve legibility and consistency, and facilitate web-based collaboration between contractors and project delivery teams in real time.

4. Applicability.
   a. This directive applies to all Civil Works and Army funded Military Programs (CONUS and OCONUS) projects executed by USACE districts and project offices.
   b. This directive does not apply to Host Nation projects, however, its application should be considered to the greatest extent practicable in coordination with mission objectives and Host Nation agreements.
   c. This directive does not apply to projects executed for non-Army stakeholders and tenant organizations, however, its application should be considered to the greatest extent practicable in coordination with mission objectives and memorandums of agreement.

5. Implementation Guidance. In order to quickly implement this change, project delivery teams should make changes to UFGS 01 78 00 Closeout Submittals for all projects that have not yet been awarded:
   a. Paragraph 1.2.1, As-Built Drawings – Use the bracket option for “red-lined PDF files.”
b. PART 3 EXECUTION – Revise all references to “prints” and “paper copies” in this section to reflect the use of electronic rather than hard copy red-lines, as-builts, and record drawings.

6. **Update.** All new requirements will be included in the next appropriate policy document update.

7. **Points of Contact.** HQUSACE points of contact for this ECB are Drew White, CECW-EC, (202) 761-5874 and Brandon Tobias, CECW-EC, (202) 761-0505.

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