

APPLICANT GUIDE



Preparing Drawing Submittals

January 2020

Any project proposed within the boundaries of CDID#1's federal levee system requires a thorough review of the project to ensure it will not affect levee integrity, the ability to perform maintenance, or restrict flood fighting activities. Drawings must be developed to facilitate review of the project in accordance to the U. S. Army Corps of Engineers (USACE), Portland District guidelines found in their PDR 1130-2-5 publication, Levee Encroachments Standards and Procedures. The following checklist is intended to help applicants who are creating project drawings as part of the Consolidated Diking Improvement District #1 encroachment review process.

GENERAL

- Horizontal datum must be NAD83 Washington State Plane Coordinates
- Vertical datum must be NAVD 88
- Title block should indicate project name, drawing number, date and who prepared the drawing
- Use best practices for engineering drawings (scale, north arrow, legend, vicinity map, etc.)
- Include sheet notes describing the proposed activities and scope of work
- Indicate the physical project location, address and parcel number
- Provide details illustrating the proposed construction methods and materials
- Cite references for material specifications as needed (ie. pipe, bedding, backfill, seeding, etc.)
- Identify reference sources used (Auditor File Number, USACE document, WSDOT standard, etc.)

PLAN VIEWS

- Show the levee centerline and USACE right-of-way boundary
- Include major levee stationing marks in USACE and CDID#1 Flood Fight stationing format
- Label roadways, property lines, easement lines and public right-of-way boundaries
- Label drainage features such as ditches, drains, sloughs, wetlands, rivers or other waterways
- Indicate the location and extent of proposed project elements
- Show the alignment and reference to cross section(s) included in profile view
- Include aerial image background (preferred)

PROFILE VIEWS

- Include levee stationing marks in USACE and CDID#1 Flood Fight stationing format
- Show existing ground surface elevation
- Show the proposed project, including the area of impact and extents of excavation
- Label the 1952 authorized levee elevation (1894 Flood plus 5-ft per USACE dwg CL-05-16/14)
- Indicate the levee prism (eg. 20-ft top with 3:1 riverward slope and 6:1 landward slope)
- Include labels indicating "riverward" and "landward" directions
- Label the 100-year flood elevation
- Convert and confirm all elevations references are consistent with NAVD88 datum
- Delineate restriction zones A thru D for the levee and adjacent areas (see USACE PDR 1130-2-5)
- Position the levee centerline at the zero mark of the cross-section stationing