



Drawing Checklist

May 17, 2017

Under the U.S. Army Corps of Engineers Regulatory Program project drawings are required for standard permit applications and project drawings should be provided with applications for general permits. The following information is to assist permit applicants when preparing project drawings. Complete and accurate project drawings facilitate a quicker permit application review. The final project drawings are incorporated in the permit by reference and work must be performed in accordance with the approved drawings.

1. GENERAL GUIDELINES FOR PROJECT DRAWINGS

- () Use 8 ½- by 11-inch paper and use the fewest number of pages necessary; do not include extraneous text or photos in the project drawing set; use match lines when necessary to connect pages (8 ½- by 11-inch format is required).
- () Project drawings should be originals and not reduced copies of large-scale plans. Engineering drawings are not required.
- () Use black and white format; however, color may be used provided features are distinguishable when reproduced in black and white (e.g., use bold, dashed, and line shading format on color features)
- () Use a graphic scale on drawings even if drawings are drawn by hand.
- () Drawings should clearly distinguish between existing conditions and proposed.
- () Projects which involve grading should have existing and proposed contours.
- () Vertical and horizontal scales should use the same units of measure.
- () Include a drawing legend to define symbols and lines used on the drawing.
- () Aerial photographs can be provided for additional information, but should not be used as a base for project drawings because when reproduced they are often illegible.
- () Drawings should be submitted as a dated and numbered set.
- () Every drawing should have a title block, with the applicant name, project name, location, date, sheet number, and a North arrow, if applicable for that view.

2. VICINITY MAP(S)

- () Show where the project is located within the state and a view that includes nearby intersections or landmarks. The vicinity map should be sufficiently 'zoomed in' to identify the location. This can be provided on one sheet or two if one would be illegible.
- () Show and label location of each **project area** (e.g. outline the perimeter, use an arrow, etc.) with clear boundaries.
- () Show and label location of each **mitigation site**, if applicable.
- () List latitude, longitude, section, township, and range – a tax lot map can also be helpful.
- () Show and label all waterways (e.g. ditches, wetlands, ponds, streams, rivers, lakes, inlets, oceans, etc.).
- () Show roads, streets, and/or mileage to nearest town or city limits.

3. PLAN VIEWS

- () **Marine/tidal waters:** Show Harbor Lines, as applicable, mean high water (MHW) and High Tide Line (HTL). Identify the datum used.
- () **Freshwater (streams, lakes, etc.):** Show the line of ordinary high water (OHW).
- () **Wetlands:** Show the wetland boundary; label the wetland size (acre); identify and label the area proposed for impact (acre).
- () Indicate where waters, including wetlands and other features, extend across property boundaries.
- () Show dimensions of the proposed project and the location and dimensions of existing adjacent structures (e.g. piers, floats).
- () Indicate location, quantity, and type of fill and excavation (area and volume).
- () Direction of currents, if known (e.g. tidal ebb, drift cells, creek flow, etc.).

4. ELEVATION AND/OR SECTION VIEWS

- () Label shorelines and show the plane of MHW, the HTL or OHW line, and/or wetland boundary, as appropriate.
- () Show original and proposed elevations, water depths, dimensions of proposed structures or fills; use the same vertical and horizontal scale.

5. DRAWINGS INVOLVING DREDGING AND/OR THE DISPOSAL OF DREDGED MATERIAL

- () Include pages with all applicable items in Sections 1-4 of this document for the proposed dredge site.
- () For Ocean Dredged Material Disposal Sites, label the name of the site, and show the boundaries of the site (Latitude and Longitude).
- () For in-water disposal site(s) show boundaries and coordinates for each corner of the site.
- () Upland/beach "beneficial use" disposal site coordinates and boundaries, if applicable.
- () Identify the types (dispersive or non-dispersive) of in-water disposal site.
- () If disposing by pipeline, show the pipeline route from the dredge site to the disposal site. Identify portions that are floating or submerged.

6. MITIGATION AND/OR PLANTING PLAN DRAWINGS (Detailed drawings will be required in a compensatory mitigation plan. See 33 CFR Part 332.4(c) regarding the contents of a mitigation plan).

- () Include pages with all applicable items in Sections 1-4 of this document.
- () Planting areas with key identifying specific species and plant spacing.
- () Buffer areas and staging or construction access areas.
- () Amounts and locations of temporary fill or excavation work (area and volume).
- () Show and label structures, piers, piling, over-water floats, etc. to be removed for the purpose of mitigation.