US Army Corps of Engineers
Seattle District

Drawing Checklist

The ultimate objective of a set of drawings is to allow someone who is unfamiliar with the project to quickly obtain a clear understanding of what is proposed and how the impacted waterbody and/or wetlands will be affected. Drawings should be originals and not reduced copies of large-scale plans. Engineering drawings are not required. Existing and proposed site conditions (manmade and landscape features) should be drawn to scale.

Page 1 should be a vicinity map, Page 2 should provide a top-down plan view, Page 3 should show a cross-sectional view; additional pages should be used if needed. Every drawing should have a Title Block. Additional information can be found on our website: http://www.nws.usace.army.mil/ (click on "Regulatory/Permits")

1. GENERAL GUIDELINES AND USEFUL INFORMATION TO INCLUDE ON DRAWINGS

( ) Use clear black lettering and the fewest number of pages necessary; use 8 ½- by 11-inch paper
( ) Even if drawings are created by hand please use a graphic scale
( ) Vertical and horizontal scales should use the same units of measure
( ) Vicinity maps and plan drawings must include an accurate North Arrow
( ) Descriptions/types of substrate can be included on drawings along with photographs
( ) Critical habitat and/or known essential fish habitat can be indicated on drawings along with surveys
( ) A drawing with the existing water features overlaid with the proposed project would be helpful

2. TITLE BLOCK EXAMPLES

( ) A completed title block (first example) should be on the first page; for subsequent sheets you can use the smaller abbreviated form (second example)

REFERENCE: *(USACE will provide)*	LOCATION: _____ *(address/intersection/ parcel number)*	PROPOSED PROJECT: *(short description)*
APPLICANT: _____	LAT/LONG: _____	IN: *(waterbody)*
ADJACENT PROPERTY OWNERS:		NEAR/AT: *(closest city or town)*
1. *(include name/parcel on plan view)*		COUNTY: *(county)*
2. *(include name/parcel on plan view)*	PAGE # OF # DATE: *(last revised)*	STATE: WA

Reference Number:
Applicant Name:
Proposed Project:
Location:
Sheet # of # Date:

3. VICINITY MAP

( ) Show and label location of each ***project area*** (e.g. circle the perimeter, use an arrow, etc.)
( ) Show and label location of each ***mitigation site***, if applicable
( ) List latitude, longitude, section, township, and range and parcel numbers – a parcel map can 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
( ) The map should be zoomed out enough to show the area but detailed enough to see landmarks for context

4. PLAN VIEWS

( ) ***Marine/tidal waters:*** Harbor Lines, Mean high water (MHW)/Mean higher high water (MHHW)
( ) ***Freshwater wetlands, bogs, fens, lakes, streams, etc:*** Ordinary high water (OHW)/Wetland boundaries
( ) Waters, including wetlands and other features extending across property boundaries
( ) Show dimensions of proposed and existing structures
( ) 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.)

5. ELEVATION AND/OR SECTION VIEWS

( ) Label shorelines with the MHW line, MHHW line, OHW line, and/or wetland boundary, as appropriate
( ) Show original and proposed elevations, water depths, dimensions of proposed structures or fills, and pertinent vertical dimensions to top and base of structure/fill; use the same vertical and horizontal scale

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

If proposing to discharge dredged material in one of the Dredged Material Management Program Disposal (DMMP) sites, another in-water disposal site, or as beach nourishment the information below should be submitted:

( ) Include pages with all applicable items in Sections 1-5 of this document
( ) In-water disposal site name (if applicable) with coordinates and boundaries *(see Note)*
( ) Upland/beach "beneficial use" disposal site coordinates and boundaries
( ) If using an in-water disposal site specify the type (non-dispersive or dispersive)
( ) Identify the barge positioning method (either the U.S. Coast Guard Vessel Traffic Service and/or a differential GPS used in conjunction with the National Dredging Quality Management Program automated monitoring system)

Note: The Dredged Material Management Office has printable maps of open-water disposal sites in Washington State. For maps and dredging project assistance go to the Seattle District website: http://www.nws.usace.army.mil/index.cfm

7. MITIGATION AND/OR PLANTING PLAN DRAWINGS

( ) Include pages with all applicable items in Sections 1-5 of this document
( ) Reference the title and date of the approved mitigation/planting plan *(See Note)*
( ) 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)
( ) Structures, piers, piling, over-water floats, etc. to be removed for the purpose of mitigation

Note: See also 33 CFR Part 332.4(c) regarding the contents of a mitigation plan

8. DRAWINGS FOR AQUACULTURE PROJECTS

( ) Include pages with all applicable items in Sections 1-5 of this document
( ) Include the county parcel numbers; a parcel map is helpful
( ) Show and label the current project area including fallow areas *(see Note)*
( ) Show and label areas proposed for expansion or new aquaculture activities
( ) Specify species, methodologies using a key (e.g, long-line Pacific oysters, tube culture of geoduck, etc.)
( ) Identify areas with canopy predator nets
( ) Identify the latitude and longitude for each corner of the project area
( ) Show and label areas with eelgrass, kelp, or mudflats

Note: For the purposes of Nationwide Permit 48, *Commercial Shellfish Aquaculture Activities*, the project area is the area in which the operator is currently authorized to conduct commercial shellfish aquaculture activities, as identified through a lease or permit issued by an appropriate state or local government agency, a treaty, or any other easement, lease, deed, or contract which establishes an enforceable property interest for the operator.