

Instructions for Mitigation Bank Drawings

ALL DRAWINGS

- Use only 8 ½ x 11 size on plain white paper background.
- Identify the project name, applicant name, type of illustration (vicinity, plan view, cross-section etc), and scale.
- All drawings should be clear, accurate, and contain all necessary information.
- Large drawings reduced to fit on an 8 ½ x 11 are normally not acceptable since notes and dimensions often become unreadable and distorted. These would only be acceptable if they are readable.

VICINITY MAP

- Broad scaled map that clearly identifies the names of local cities, highways, and interstates that lead to your proposed site
- Bank boundary drawn on the map and an arrow should point to the site and show the latitude and longitude, in decimal degrees, for the center point of the site
- Clearly shows the names of streams, rivers, bayous, lakes, bays etc which could be directly affected by your project
- Name all the applicable political (parish, town, city, etc.) jurisdictions
- North arrow and graphic scale in feet

PLAN VIEW

- Location and, if applicable, names of all waterbodies (stream, river, bayou, lake, bay, drainage canal etc.) within or adjacent to project boundary.
- Location of wetlands and/or waters of the U.S. within the project boundary that were identified from the JD.
- Location of existing man-made hydrologic modifications and/or structures (levees, culverts, internal or perimeter drainage ditches, pumps, dirt or paved roads, irrigation equipment etc.) within or adjacent to the project site.
- Location of existing structures (cattle pens, temporary storage sheds, etc) and/or equipment (old farm equipment, old water pumps, etc) within or adjacent to the project site.
- Location of any existing fencing on or adjacent to the project site.
- Show all hydrologic work (location and extent of all borrow and/or fill sites; removal of various hydrologic modifications and/or structures).
- Clearly show all hydrologic modifications that will remain on or adjacent to the site after restoration and/or enhancement is completed.
- Location of all cross-sections (this could be shown on a separate drawing if the plan view is too cluttered with information).

CROSS-SECTION/PROFILE VIEWS

- Show dimensions (length, width, height, and depth) of each hydrologic feature and or hydrologic modifications on or adjacent to the project site (streams, bayous, drainage canals, culverts, levees, spoil banks, roads etc).
- Show dimensions (length, width, height and depth) of all proposed work including dredge and/or fill activities; culvert removals, etc).
- Cross-sections and/or profiles of dredge area and/or fill areas should include side slopes.
- Cross-sections across the project boundary onto the adjacent property should show the limits of the mitigation bank project and the limits of any right-of-ways.
- Conceptual cross-sections are acceptable for the prospectus; however, in some cases cross-sections may be required to be done by a professional surveyor for the Draft MBI.
- Graphic scale in feet (horizontal and vertical); Elevations should be National Geodetic Vertical Datum (NGVD).

HYDROLOGIC PLAN VIEWS

- Existing Hydrology: Provide a drawing that identifies how water currently flows on the site. Use arrows for flow direction. Some people add flow to the “Existing Conditions” map or use a duplicate of the plan view drawing.
- Post-Project Hydrology: Provide another drawing similar to the plan view with just the hydrologic features and modifications that will be on the site after restoration and/or enhancement is completed and show how water should flow on the site. Use arrows for flow direction.

SOIL MAP

- Shows all soil types on or adjacent to the project site using the most current Natural Resource Conservation Service (NRCS) Soils Layer.
- Identify the source of the information.

EXISTING CONDITIONS

- Clearly shows the location and acreage of the different communities that exist on the project site (forested, pasture, road etc).

ELEVATION MAP

- Shows the elevations of the site using the most current available LIDAR data or, survey elevation data if appropriate. (If survey elevation data is provided, it should be done by a professional licensed land surveyor). Identify the source of the information on the map.

HABITAT RESTORATION PLAN

- Drawing that identifies the extent of all habitat type/mitigation type combinations as well as all non-mitigation types (Powerline ROWs, road ROWs, waters of the U.S., etc).
- Legend shows the acreage of each of these extents.
- Drawing should distinguish between those areas identified on the JD as wetland and those identified as non-wetland.

CURRENT LAND USE MAP

- Show the official land use identified within the bank boundary and within one mile of the site boundary. Identify the source of the information on the map. Sources of information can be a combination of such things as Parish records, Google Maps, etc.