DRAWING REQUIREMENTS

The permit sketch is to be drawn on paper sheets measuring 8 ½ x 11 inches (216 mm x 279 mm) with a 1" (25 mm) border at the top and half-inch (12 mm) borders on the remaining three sides. The plan and profile views are to be drawn to the largest scale practical to clearly show the details of construction which the various permits address. In most cases, more than one sketch sheet will be needed to adequately show all of the details for each of the different views. For example, in a tidal area, the edge of existing stream mean low tide, mean high tide, limits of mud wave, limits of wetlands, and limits of oyster planting grounds may all have to be shown in addition to other pertinent information. When such is the case, a larger than normal scale must be used which would in turn lead to more than one sketch sheet. A maximum effort is to be directed toward clarity and the elimination of unnecessary details not pertaining to the subject of the permit (i.e., it is not necessary to show details of bridge parapets, guardrail, etc., but it is necessary to show cofferdam locations and channel cleanouts.

The applicable water elevations and corresponding quantities are outlined in the next three paragraphs. Note that the demarcation of ordinary high water and tide lines refers to their location prior to the proposed construction. For fresh water streams, the ordinary high water and wetlands limits (if applicable) need to be shown. Quantities will be figured channelward and below ordinary high water.

For fresh water lakes, the ordinary high water, ordinary low water and limits of wetlands (if applicable) need to be shown. Quantities will be figured channelward and below ordinary high water.

For tidal areas, the mean low tide, mean high tide and limits of wetlands (if applicable) need to be shown. Quantities are to be figured from where the tide lines touch the original banks (1) Channelward of and below mean low tide line and (2) Channelward of mean high tide line and below to the horizontal and vertical planes of mean low tide.

In addition, the total area to be filled below the applicable high water line is to be stated. The area of wetlands to be filled is to be stated separately. These areas are those within the limits of construction.

In addition to showing the wetland mitigation site(s) on the plan view, include, as appropriate, both a contour map with the proposed and adjacent contours and a typical cross-sectional view with the proposed grade of the site(s) in relation to the approximate adjacent ground/wetlands elevation. A primary concern of the VMRC involves slightly sloping mitigation sites to minimize trenching and excessive ponding. In addition, an enlarged plan view depicting species to be planted at the appropriate elevations if helpful.

In summary, it is suggested that a copy of the drawing checklist be utilized and made a part of the file when the sketches are prepared, since this will be the procedure followed when the sketches are reviewed before being submitted to the District Environmental Manager. When questions arise pertaining to the preparation of the permit sketch, the Hydraulics Section in the Central Office is to be consulted.