( )   State datum used in plan, profile, and section views. (Mean Low Water, National Ocean Survey Datum or USGS).

( )   List names and addresses, separate from the property owners, of known claimants of Water Rights and/of oyster planting Grounds, if applicable.

( )   State the method of dredging, if applicable.

( )   State the number of m³ (cubic yards) to be dredged, excavated or filled channelward of and below the ordinary high water line (causeways and fill type cofferdams inclusive).

<center>or</center>

State the number of cubic yards (m³) to be dredged excavated or filled (1) Channelward of and below Mean Low Tide and (2) between Mean Low Tide and Mean High Tide (causeways and fill type cofferdams inclusive). See Figures C-4-6 and C-4-7.

( )   State the total area in square feet (m²) to be filled and excavated channelward of and below applicable high water line. State separately the entire area of wetlands in sq. ft. (m²) filled (causeways and fill type cofferdams included.)

HYDRAULIC COMMENTARY FOR PERMIT APPLICATIONS

1.   State source (or base) of hydrologic computations - i.e., "regional analysis of USGS gage data" or "empirical formulas such as Circular IV and USGS multiple regression formulas. State design frequency of projects, Q design, Q100.

2.   State historical data - i.e., "high water marks for the 1969 flood obtained by VDOT field reconnaissance or from local resident." State discharge and frequency, if possible.

3.   State type of hydraulic calculations - i.e., "FHWA Circular 5 -Culvert nomographs, FHWA Bridge Backwater Program, USACE HEC-2 W.S.P. Program, etc."

4.   Display or describe by appropriate means the effect of the 100-year flood level under existing conditions and under proposed conditions.

    It is recognized that the scope of this data will vary widely between different project types. Bridges and major streams will require adherence to the "1 on 100-year" rule or a detailed justification for deviating from the rule. Culverts and smaller streams are less restricted, although a statement of justification for our action is still required.