

## 4.15 Construction Documentation

After construction of a bridge or major culvert, ensure that the following as-built records are obtained and kept on file:

- actual log stringer, curb, needle beam and crib log sizes (diameter and length for each member);
- pertinent construction data including, but not limited to, any pile driving records, hammer type, penetration, set criteria, and any critical dimensions;
- fabrication plant inspection reports, including mill test certificates and concrete test results;
- shop or as-built fabrication drawings;
- geosynthetic material identification;
- concrete and grout test results;
- field compaction results;
- confirmation of scour protection requirements;
- footing base elevation, deck elevation, and alignment location; and
- other pertinent fabrication, field, and construction data.

As-built drawings are normally the “approved for construction” drawings that are marked up to show all significant variations from the original design. Ensure that the as-built drawings [see sample \(PDF\)](#) are signed and sealed by the Coordinating Registered Professional. Where the original design has been modified, these drawings should have been amended accordingly by the designer before the as-built notes and details are inserted.

Ensure that a BCTS/District engineering technician inspects the completed bridge for acceptability/assurance of the structure, often as part of the inspection for contract completion. Forward the package of statement of conformance, as built drawings and field note from the engineering specialist to the Ministry Engineer for review for completeness and acceptability.

Add all completed FS bridges to the appropriate BCTS/Timber Pricing and Operations Division file records and road and bridge data base.