

**FORT LEWIS
CROSS CONNECTION CONTROL PROGRAM**

SECTION 3: TESTING PROGRAM

TESTING PROGRAM

3.1 BACKGROUND

In July 1995, Fort Lewis Public Works developed the Testing Service Contract (Specification No. 1533-96, File No. 5188) to test and maintain BPA's located within building on Fort Lewis. The 275 BPAs currently included under this service contract are those installed under the following two contracts.

DACA67-91-C-0088
IJO DEU00064-1J, Pkg No. 3383A, Spec No. 4620
As-Built drawings (revised) dated 20 June 1993

DACA-93-C-2005
IJO DEU00323J, Pkg No 335019, Spec No 4919, File No 5103
As-Built drawings dated 27 September 1994

3.2 NEW DEVICE INSTALLATIONS

When BPAs are installed, they will be added to the Testing Service Contract.

3.3 TESTING SERVICE CONTRACT REQUIREMENTS

The Testing Service Contract requires each device to be tested annually. A summary of the Testing Service Contract requirements are outlined below.

3.3.1 The Contractor will conduct tests with an approved testing device that produces a printed copy of test results. (A discussion of this type of testing device follows.)

3.3.2 The Contractor will complete a report form to document the results of each test conducted. The printout generated by the testing device will be attached to the report form. The tester will record on the report form specific information pertaining to each device tested (device manufacturer, model, serial no., etc.).

3.3.3 The Contractor will test and repair BPA as follows:

The BPA will be tested in accordance with recommendations published in the AWWA Manual.

If the BPA fails its initial test, the Contractor will disassemble, clean, reassemble and retest the BPA.

If the BPA fails the retest after disassembly and cleaning, the Contractor will be authorized, by test result documentation indicating the failure, to disassemble, replace "soft parts" (gaskets and seals), reassemble and retest the BPA.

If the BPA fails the retest, after disassembly and replacement of "soft parts", the Contractor will request authorization to replace the BPA. The Contractor will request authorization, in writing, the same day the BPA fails. The Contracting Officer's Representative may defer providing authorization until the beginning of the next (monthly) work period. BPAs will be replaced with new BPAs included on the list of approved devices.

The Contractor will input test result data and device information into the database. During the first testing cycle, the Contractor will be required to obtain each BPAs serial number and enter it into the data base. Serial numbers, and models of the existing BPAs are not currently available.

At the end of the (monthly) work period the Contractor will produce a printed report from the database providing records of all tests conducted during the work period.

At the end of the (monthly) work period the Contractor will submit, with that month's request for payment, the following:

- A copy of the printed database report of that month's test results

- The database data files on disk

- Original test report documentation for each test conducted with test printouts attached

- A list of any required BPA replacements for which authorization is pending

- The database for the BPA test results is on Microsoft Access Version 2.0. A guide to the Cross Connection Control Database System is provided in Section 4 of this program.