



## ***MAJOR PHASES OF A FOUNTAIN PROJECT***

**PLANNING PHASE:** Owner, architect and fountain consultant studies the need for, and use of the fountain.

**PROGRAMMING PHASE:** Define fountain by size and type of space, special functions, etc. Utility services such as source water, electricity and drainage, etc. are determined.

**SCHEMATIC PHASE:** Visual design is produced (designers' layout of how the fountain might look). (Preliminary mechanical & electrical schematics may be developed).

**FUNDING PHASE:** In public projects especially, schematic drawings are produced to approve funding. This phase can also be part of the planning phase, such as municipality voting on a budget for a new fountain and then voting again at this phase on the design.

**DESIGN DEVELOPMENT PHASE:** Site plans are developed in detail and materials become specific. Mechanical and electrical layouts are started.

**CONSTRUCTION DOCUMENTS:** Finished Drawings (working drawings) are produced, schedules developed and complete specifications written.

**BIDDING OR NEGOTIATIONS:** Construction documents are now complete and project goes out for formal bid to qualified contractors.

**CONTRACTS:** Contract is awarded to prime contractor who in turn places orders with subcontractors or directly with fountain manufacturer for fabrication and delivery of fountain system equipment.

**SHOP DRAWINGS:** Fountain manufacturer submits shop drawings of the specified equipment to contractor for submission to architect for approval.

**CONSTRUCTION:** Ground breaking and construction begins. Progress of fountain installation monitored periodically for compliance with construction documents.

**START-UP AND ADJUSTMENT:** Fountain manufacturer sends qualified personnel to the site after installation is complete and operational, for purposes of system start-up, de-bugging and final adjustments.

**OPERATOR TRAINING:** Fountain manufacturer delivers operation and maintenance manuals to owner and trains owners' operating personnel in the proper operation and maintenance of the system.

**FOLLOW-UP:** Fountain manufacturer may contract with owner for additional inspection, maintenance, servicing or operational assistance after system is accepted by owner.

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