

## ***General Utility Guidelines***

---

***New and Renovated Facilities:*** Utility services to new facilities or to substantial additions to existing facilities should be provided as a part of the construction project and should be addressed in the initial programming and budgeting phase.

***Coordination:*** Prior to starting the design of utility extensions, a conference should be held with the UNL FMP Engineering to establish such matters as the connection point of each service extension, the routing of the service, the size and/or capacity of the service, the entrance points of the services into the new facility, depths and/or flow line elevations, and the type of service (i.e. tunnel, direct burial, buried conduit).

Location of the switches and valves, bypasses, and temporary services shall be a coordinated effort by UNL Facilities Planning and Construction, UNL Utility and Energy Management, and the design engineer. The design engineer is responsible for the final description and documentation of the utility services for the contractor.

***Shutdowns:*** Chilled water and steam shutdowns shall be scheduled only during off-peak seasons. Only UNL staff are allowed to operate switches or valves on the utility distribution system.

***Exterior Vaults:*** Vaults shall be either cast-in-place or pre-cast concrete with minimum H-20 rating, minimum 5' x 7' x 6'-6" (W x L x H). Provide lighting, one general purpose duplex outlet, sump pit, and sump pump (pump should be rated for 180° F. water when installed in vaults serving steam systems). Hatch shall be 3' x 3' Bilco, or approved equal with automatic hold-open and stainless steel lock, AASHTO HS20-44 truck load rated. See *Drawing XX XX XX-XX Utility Vault Construction Detail* for more information.