Civil/Site Utilities (not including electrical)

- Site Survey Included
- Proposed construction fence / project limits shown
- Construction staging area(s) shown
- Existing storm and sanitary structures shown
- Proposed drainage method(s) shown
- Existing domestic and fire services shown
- Proposed domestic and fire services shown, including vault or pit details
- Campus chilled water piping shown
- Campus geo hot water piping shown
- Indiana American Water Company has been contacted and coordinated with
- Vectren Gas has been contacted and coordinated with (if required)
- Temporary power and water sources shown
- Site utility demolition is shown complete

Plumbing and Fire Protection

- Demolition shown complete
- Services and mains are shown
- All equipment shown (pumps, softeners, mixing valves, heaters, backflows etc.)
- Preliminary equipment schedule is provided
- Preliminary fixture schedule is provided
- Unsized branches are shown
- Need for fire pump is determined and pump is sized and shown if required
- FP system is zoned and hazard classifications are defined
- Any special FP system areas are shown (dry, pre-action, chemical etc.)
- Any equipment and mains for gas and compressed air systems are shown
- Fire Protection riser diagram provided

Mechanical

- Demolition shown complete
- Piping and ductwork mains shown
- Unsized branch piping and ductwork is shown
- All HVAC equipment shown (Pumps, fans, exchangers, filters, coils, terminal units etc)
- Preliminary equipment schedules provided
- Air and water flow diagrams are shown
- Control schematics and sequences of operations are started
- Air terminal units are shown
- HVAC zoning is shown
- Large scale drawings are shown (equipment rooms)
Electrical

- Demolition shown complete
- Electrical site plan is shown including incoming service / feeders and site lighting layout
- Incoming telecom services are shown
- Riser / single line diagram is shown
- Basis of design light fixtures are selected and shown on the fixture schedule
- Mechanical equipment requiring electrical power is shown
- All device (receps, comm outlets, fire alarm etc) layouts are shown
- Light fixture layouts are shown
- Emergency distribution system is shown including generator location
- Basis of design information on the hazard analysis and coordination study is provided

General

- DD level estimate is provided that includes MEP and Site Utility line items
- Construction phasing schedule is provided
- Confirmation that IAWC, Vectren and BSU have been coordinated with for utilities
- Spec table of contents is provided
- List of proposed alternate bids is provided
- List of proposed variance applications is provided
- The Basis of Design (BOD) and Owner's Project Requirements (OPR) are provided
- Any Owner furnished items are defined

NOTE: The above list is meant to be used as a tool for both the Consultant and BSU in the preparation and review of the Design Development submittal documents. It is not an all-inclusive list and is not project specific but rather a "one size fits all" minimum requirement for the applicable items on any given projects. Some projects may require submission of additional information and documentation.