February 2017 BDS Updates (all updates are marked with underline and sidebar to the right in the body of BDS)

- **Division 2 Existing Conditions**
  - 02 82 00.4.9 Updated design requirements for Air-Filtration Devices (AFDs).

- **Division 21 – 28 Facility Services**
  - FS-6.1.2: Added server rooms, Intermediate Distribution Frames (IDFs), etc., to list of spaces requiring separate HVAC systems.
  - FS-6.3.2: Changed winter inside design condition from 68 F to 70 F to agree with the Green Build and Energy Policy #3.10.

- **Division 22 Plumbing**
  - 22 00 07.10 and 22 10 02.6.4.1: Compressed air and laboratory gases above 150 psig will require a third-party inspection.
  - 22 10 02.6.6: Copper shouldn’t be used on the product side of the RO Systems due to corrosion issues.
  - 22 10 02.6.7: Process cooling piping selection shall be suitable for the application and compatible with laboratory equipment being served.
  - 22 10 05.3: Placing water piping in the tunnel requires approval and a third party inspection.

- **Division 23 HVAC**
  - 23 05 25.7.7.3 Instructed A/E to consider cost/benefit of pressure-independent balancing valves.
  - 23 07 13.1.4 Changed wording concerning “outdoor” ductwork that needs prior approval.
  - 23 07 13.2 Allowed the use of lined ductwork for transfer grilles connecting adjacent rooms.
  - 23 20 05.2.3 Added third-party inspection requirement per ASME B31.1 for steam piping within buildings above 15 psig.

- **Division 26 Electrical**
  - 26 00 03: Add paragraphs .7.41 and .7.42 on prohibited practices
  - 26 05 15: Edited control wiring application
  - 26 27 05: Change allowed circuit loading from “60 percent” to “70 percent”
  - 26 30 10: Added paragraphs .2.17.1, .2.17.2, .217.3 and .2.17.4 provisions for on-site load testing of emergency generators.

- **Division 28 Electronic Safety and Security**
  - 28 31 00.1.1 Add a commentary on acceptable fire alarm system manufacturers and the benefit of voice fire alarm systems.
  - 28 31 00.2.5.1 Visible notification appliances shall be of the same manufacturer and capable of being synchronized.
  - 28 31 00.3.1.4: Remote signaling relays shall function with the Fire Alarm Control Panel (FACP) for elevator recall.
• Division 33 Utilities
  - 33 00 03 Added commentary stating that OSU became a member of the Ohio Underground Utilities Protection Service on October 17, 2016.
  - 33 00 03 Updated the OUPS notification times.
  - Changed pipe group 20 to pipe group 3 to match the high pressure steam pipe group to the steam valve group.
  - 33 11 13 Placing water piping in the tunnel requires approval and a third party inspection.
  - 33 51 33 Added requirements for Modbus RS-485 communications to the meters that would provide data back to eDNA and remove the need for the gas meter to be read manually.
  - 33 61 33 Added the requirements for the RS-485 to Modbus TCP/IP device. Added language to provide a flow computer that has a built in Modbus TCP/IP device. Added specification information for RTDs and temperature transmitters.
  - 33 63 10 Added refill with treated water to chilled water flush section. Cleaned-up commentary regarding stress relieving.
  - 33 63 13 Revised utility outage section of condensate specialty to match utility outage procedure language.
  - 33 63 25 Deleted steam trap valve descriptions and added new reference to valve group 3.
  - 33 63 33 Added the requirements for the RS-485 to Modbus TCP/IP device. Added language to provide a flow computer that has a built in Modbus TCP/IP device. Added specification information for RTDs and temperature transmitters, and removed outdated information.
  - 33 63 35 Edited the document from a construction specification to more of an Architect/Engineer design guideline. Added valve group to each listed utility service type. Updated material specifications and added API trim designation to valves noted for specific valve group.

• Division 40 Process Interconnections (Utility Plants)
  - This is a brand new division.

• Appendix E Requirements for Survey Information
  - Modified the language on utility survey recording requirements for significant projects.

• Medical Center Appendix Division 01 General Requirements
  - 01 14 00 Updated work restriction clauses.

• Medical Center Appendix Division 08 Openings
  - 08 71 20 Updated provisions on acceptable lever lock sets
  - 08 71 90 Updated provisions on Keying
  - 08 75 00 Updated provisions on battery powered stand-alone locks

• Medical Center Appendix Division 28 – Electronic Safety and Security
  - 28 10 10 Updated provisions on access control and alarm monitoring system.
  - 28 23 23 Updated provisions on video surveillance system / closed circuit TV (CCTV)