NOTE: Sections that are bolded have been updated and posted to FPD website.

210100 Fire Protection Systems
   Page 7:  18.2.  Rolla: See City of Rolla Ordinance 4104 referenced below.
   Page 7-8: REFERENCES - Added the ordinance.
   Page 2 & 6: REFERENCES - Added the option of Nitrogen for fill of dry pipe systems and flexible braided hose to sprinkler heads in locations where approved by the campus PM.

221000 Plumbing Piping and Specialties
   Changed the storm and sanitary piping, above grade, to solid-wall, Schedule 40, PVC Pipe in lieu of cast iron no-hub piping systems. This and exceptions for its use are noted in the left margin.

224000 Plumbing Fixtures
   UMSL campus only – hard-wired sensor operated flush valves.

230000 Heating Ventilating and Air-Conditioning (HVAC)
   Various updates – as identified in the left margin

233816 Fume Hoods
   5 - Referenced compliance with ASHRAE HVAC Applications Handbook and/or ASHRAE Laboratory Design Guide.
   7.5 - Deleted reference to lab control section that doesn’t exist. For UMKC projects, allowed the possibility of laboratory control systems other than Phoenix.

260519 Low Voltage Electrical Power Conductors and Cables
   Added locations MC cable is allowed.

260519 LV Electrical Power – MC Diagram (NEW)

260533 Raceway and Boxes for Electrical Systems
   Although MC cable is not considered a raceway, a clarification is included in the first paragraph related to the update for 260519 above.

262923 Variable Frequency Motor Controllers
   Added 1.02E, 1.03I, and 2.05. Updated 2.01B and deleted 3.01I.

264100 Facility Lighting Protection
   Expanded to ensure compliance with NFPA 780 and Owner involvement during UL inspections.

265100 Interior Lighting
   Various updates – as identified in the left margin

283100 Fire Alarm Systems
   Digital communicator updates as needed due to changes in technology.

331233 Water Utilities Metering
   Updated 1.4.1.2