DIVISION 22

22 4000 Plumbing Fixtures: Updated preferred manufacturers for water closets, urinals, and associated automatic flush valves.

DIVISION 23

<u>23 0900 Control Systems UMKC</u>: Updates are noted with line in left margin. Provided in Word and PDF format. <u>23 0900 JCI Control Systems MU</u>: Part 2.Q.3. Air Differential Pressure Transmitter: Updated preferred model. <u>23 0900 Building EMCS Network Schematic (MU):</u> Updated in AutoCAD and PDF format.

DIVISION 26

<u>26 2923 Variable Frequency Motor Controllers</u>: Updated Part 2.01 MANUFACTURERS.A&C - Model numbers. Part 2.03 D. Reduced maximum PWM carrier frequency to 12000 Hz.

<u>26 3000 Facility Electrical Power Generating and Storing Equipment</u>: Added 2 new paragraphs at the end of Design Guidelines. See line in left margin on page 2.

<u>26 3200 Packaged Generator Assemblies</u>: Added Part 1.4.2 Building Automation System Alarms, and provisions in part 5.3 Electrical as noted by the line in the left margin.

<u>26 3623 Automatic Transfer Switches</u>: Added provisions for ATS to enunciate Transfer Switch Trouble through the building automation system. See additions/updates as noted by line in left margin.

DIVISION 28

28 3100 Fire Detection and Alarm: Multiple revisions throughout. Paragraphs edited are noted with a line in the left margin.

DIVISION 33

- 33 1216 Water Utilities Distribution Valves: Design Guidelines 1.1.3 Valve Boxes Deleted concrete "collar", added multi-fit adaptor.
- 33 1216_Detail-Gate_Valve.dwg: Deleted concrete "collar", added multi-fit adaptor.
- 33 1219 Detail-Fire Hydrant.dwg: Deleted concrete "collar", added multi-fit adaptor.
- 33 1233_Detail-Water_Meter.dwg: Updated detail showing pressure gauge before backflow.
- 33 1233_Detail-Water_Meter_Wiring.dwg: Updated detail showing pressure sensor, also added AutoCAD format.
- <u>33 3100 Sanitary Sewers</u>: Deleted Design Guideline #7; Added Specification Requirement 9.2 for MS&T campus requirements; Added Specification Requirement 9.5 for warning tape installation.
- <u>33 4000 Storm Drainage System:</u> Revised Design Guideline 17; Added Specification Requirements 1.2 -1.4 to allow additional storm sewer pipe options. Added Specification Requirement 6.2 for MS&T campus requirements; Added Specification Requirement 7.1 for warning tape installation.
- 33 6113 Hydronic Energy Distribution: Entire section was reformatted for clarity.
- 33 6113 Butterfly Valve.dwg:
- 33 6113 CW Vent Box Detail.dwg: Updated detail showing vent valves down on main with multi-fit adaptor.
- 33 6117 Hydronic Energy Distribution Chilled Water Valves & Vents: Numerous modifications (deletions and additions) throughout the document. Edited paragraphs are noted with a line in the left margin.