Section 1.00 Introduction
Revised UDFCD to MHFD.

Section 3.00 Permits, Extension Agreements, Inspections and Acceptance of Work
3.04.5 Water Services
Provided language that final acceptance of water service laterals between the point of connection and the meter pit does not occur until the meter is set.

Section 4.00 Job Site Safety, Health and Environmental Requirements
4.09 Safety and Management of Potential Hazardous Risks
Provided language that ownership and maintenance of private water systems would be subject to ownership by the Aurora Water Department upon connection to the City's potable system.

Section 5.00 Utility Design Criteria and Construction Plans
5.03.4 Sanitary Sewer System Design
Included language to indicate inflow and outflow inverts shall be provided no less than ninety degrees (90°) at manhole structures.

5.04 Easements
Provided language for required easements around drainage structures including rip rap pads.

5.05.1 Standard notes
Revised phone number for inspections of required grease traps and sand/oil interceptors to Aurora Water Engineering at 303-739-7385.

5.05.3 Water Services
Provided language to clarify that all water service connections and meters shall be uniform size from the point of connection to the meter serving any individual building or structure. Furthermore, upsizing the water service lateral downstream of the meter pit is allowed with authorization from the Aurora Water General Manager or authorized representative.

5.06 Manhole Spacing
Added language specifying length limits of maintenance access and turn around requirements.
Section 7.00 Material Handling and Storage
7.01 General
Clarified responsibility of material handling and storage shall be at the Contractor's expense.

Section 10 Manholes, Vaults and Inlets
10.02.1 Testing
Provided language to include all manholes are to be vacuum tested per ASTM C1244

10.06 Water System Manholes and Vaults
Provided language to indicate manholes shall be constructed to allow for operation of all valves from above ground with a four and one half foot (4 ½’) valve key (minimum)

Section 11 Water Pipe Installation
Provided language to indicate all water mains shall be disinfected by chlorine injection. Tablets are not allowed.

Section 17 Water Service Lines
17.08 Meter Pit Installations
Provided language to indicate meter pits are not allowed behind retaining walls and no closer than three feet (3’) from the face of the wall.

Section 18 Automatic Fire Suppression Waterline Installation
18.02 Installation
Provided language to disallow any additional valving downstream of the isolation valve prior to the backflow prevention device on a fire suppression lateral, new installations and repair of fire suppression laterals are subject to acceptance testing and relieves the Aurora Water Department from bearing the responsibility of replacing an existing isolation valve that does not pass testing pressure.

Section 26 Reinforced Concrete (RCP) Storm Sewer Pipe
26.07 Joints
Rubber gaskets are required for all horizontal elliptical reinforced concrete pipe.

Appendix A - Details

100 Series – General
100-1 Pipe Bedding Classes
Removed reference to Flexible Pipe.
101-1  **Standard Manholes**
Graphically depicted the distance between the top step and rim of manhole.

107-1  **Typical Steel Encasement Construction**
Minor grammatical correction.

200 Series – Water

200-1  **Meter Installation Procedure**
Added note regarding the acceptance and warranty of a water service lateral from the point of connection to the meter, including the pit, begins at the time of the meter set.

201-1  **Meter Installation ¾” and 1” Service**
Added note added regarding placement near retaining walls.

204-1  **1 ½” Disc and 2” Turbine Irrigations Meter Vault Installation**
Added note regarding placement near retaining walls.
Updated bedding beneath base slab to be 1.5-inch rock.

204-2  **3”, 4”, and 6” Turbine Irrigation Meter Vault Installation**
Added note regarding placement near retaining walls.
Updated bedding beneath base slab to be 1.5-inch rock.

205-1  **1 1/2” and 2” Disc Meter Custom Setter Installation for Domestic Service**
Added note regarding placement near retaining walls.
Updated bedding beneath base slab to be 1.5-inch rock.

206-1  **3”, 4”, and 6” Compound Meter Vault Installation for Domestic Service**
Added note regarding placement near retaining walls.
Updated bedding beneath base slab to be 1.5-inch rock.
Added note that if a reducer is required for a 3 inch meter, the 4 inch by 3 inch reducer shall be located between the vault and the isolation valve, outside of the vault.

209-1  **2” Blowoff**
All fittings and pipe shall be threaded brass fittings and brass piping.

213-1  **PRV or Check Valve Station**
Added corporation stops to both sides of device, increased diameter of vault to 7-foot diameter and notes to include device shall be installed by Aurora Water personnel.

218-1, 2, 3, 4, 5, 6, 7 **Cathodic Protection**
Added 6 new details to corrosion control.

**Appendix B**
Approved Products List has been updated.
Appendix C
No changes were made

Appendix D
Added language to include all systems shall be equipped with an automatic rain shut-off device except where an Aurora Water approved weather-based irrigation controller is utilized.