

Mapleton City Planning Commission Staff Report

Meeting Date: April 22, 2010

Item: 4

Applicant: Mapleton City

Prepared by: Matt Brady

Public Hearing Item: Yes

Council Action Required: Yes

REQUEST

Mapleton City requests to amend Mapleton City Code 13.08.040: SERVICE PIPES; SPECIFICATIONS, and 17.14.010: ADOPTED in order to adopt by reference current American Public Works Association (APWA) Standard Specifications and Drawings and addendums.

SUMMARY OF KEY ISSUES

1. Mapleton City currently has a set of standard specifications and drawings for new roadway and associated utility construction that was prepared by Mapleton City's consulting engineer (RB&G) and approved by the City a number of years ago. Many cities adopt slightly different standard specifications and drawings of their own, making it somewhat difficult for engineers and contractors to keep up with different standards from city to city.
2. The American Public Works Association (APWA) is an international professional association of public agencies that has created construction standards that have been adopted by many cities and counties nationwide. Today these standards are used by the majority of cities along the Wasatch Front. The APWA exists to develop and support agencies that plan, build, and improve communities. It is the opinion of Staff that adopting these standards will create consistency with the contractors that will work within Mapleton and other cities. See Attachment #1 for the proposed ordinance text amendments that would reference the APWA standard specifications and drawings.
3. The currently adopted APWA standard specifications and drawings are quite lengthy (hundreds of pages), and therefore have not been included as a printed attachment to this Staff Report, but they can be viewed online at: <http://utah.apwa.net/>.
4. Attachment #2 also contains a local addendum to the APWA standard specifications, as recommended by the Public Works Department. This would be adopted by reference in the proposed ordinance.

RECOMMENDED ACTION:

Staff recommends approval of the proposed ordinance text amendments.

ALTERNATIVE ACTIONS:

1. The Planning Commission may recommend Denial of the proposed ordinance text amendments. Reasons for denial should be stated in the motion.
2. Continue to a Future Meeting Date: This action could be based upon findings that additional information is required prior to rendering a decision or to further consider information.

ATTACHMENTS:

1. Proposed Ordinance Text Amendments: Mapleton City Code 13.08.040: SERVICE PIPES; SPECIFICATIONS, and 17.14.010: ADOPTED.
2. Proposed local addendum to the APWA Standard Specifications.

13.08.040: SERVICE PIPES; SPECIFICATIONS: All service pipes used underground shall be of cast iron, extra strong lead, galvanized iron, or tin lined lead, and laid not less than three feet (3') below the grade, and of sufficient strength to stand the water pressure; such work, alternations or extensions thereof, together with the size of pipe, must be to the acceptance of the superintendent. conform to American Public Works Association (APWA) Standard Drawings and Specifications as adopted in Chapter 17:14 Standard Specifications and Drawings.

17.14.010: ADOPTED: The city hereby adopts by reference the standard specifications and drawings regulations the most current American Public Works Association (APWA) Standard Specifications and Drawings and accompanying addendum to such as if fully set forth herein.

Addendum to APWA Specifications

SECTION 33 12 16, PART 2 PRODUCTS

2.2 GATE VALVES

- D. Gate valves shall only be used up to 10 inches in size.

2.3 BUTTERFLY VALVES

- D. Butterfly valves shall be used for 10 inches and larger valve sizes.

2.4 CHECK VALVES

- E. Check valve 4 inches and larger in size shall be of CLA VAL manufacture and have epoxy coated chambers with stainless steel tubing and fittings to pilot controls.

2.7 PRESSURE REDUCING VALVES-MAIN LINE

- B. Type: Shall be of CLA-VAL manufacture with epoxy coated chambers hydraulically operated using a direct acting, spring loaded; normally open, with pilot valve controlled diaphragm.
- D. Equip with Y-strainers, stainless steel tubing and fittings on the pilot controls, variable closing and opening speed controls and valve position indicator.

2.8 PRESSURE RELIEF VALVES

- C. Type: Shall be of CLA-VAL manufacture with epoxy coated chambers, hydraulically operated, pilot control using a diaphragm with a single removable seat and resilient disc.
- D. Pilot Controls: Shall have stainless steel tubing and fittings; Direct acting, adjustable between 20 and 200 psi. Spring-loaded diaphragm valve.

2.9 CONTROL VALVE

- A. Type: shall be of CLA-VAL manufacture with epoxy coated chambers, Diaphragm actuated, single seated, composition disc, hydraulically operated globe valve.
- B. Pilot Controls: shall have stainless steel tubing and fittings, externally mounted, four-way, solenoid pilot valve with self cleaning strainers and diaphragm type check valves.