

ADDENDUM NO. 4
TO
CITY OF FRESNO
PUBLIC WORKS STANDARD SPECIFICATIONS
ADOPTED MARCH 4, 1970
RESOLUTION NO. 70-36
UPDATED VERSION APPROVED JANUARY, 2013

This addendum is attached to and made a part of the above-entitled standard specifications.

The following City Standard Drawings have been amended as indicated below:

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| P-41 | Added location in right-of-way for Recycled Water Main. |
| P-42 | Added location in right-of-way for Recycled Water Main. |

The following City Standard Drawings are new as indicated below:

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|-------|---|
| RW-1 | Recycled Water Main Identification |
| RW-2 | Recycled water Valve and Valve Box |
| RW-3 | Recycled Water Valve Extension |
| RW-4 | 1" Service Connection & Meter Box Installation |
| RW-5 | 1-1/2" & 2" Service Connection & Meter Box Installation |
| RW-6 | 4" Recycled Water Service |
| RW-7 | Temporary 2" Recycled Water Blow-Off |
| RW-8 | Recycled Water Blow-Off Assembly |
| RW-9 | Recycled Water 1" or 2" Air Release/Vacuum Breaker Station |
| RW-10 | Recycled Water 4" Air Release/Vacuum Breaker Station |
| RW-11 | 1" or 2" Air Release/Vacuum Breaker Valve Enclosure |
| RW-12 | Recycled Water Main Separation Requirements |
| RW-13 | Recycled Water Irrigation Information Sign |
| RW-14 | Recycled Water Remote Control Irrigation valve Identification |
| RW-15 | Recycled Water Backflow Preventer Identification |
| RW-16 | Recycled Water Irrigation Box Cover Markings |
| RW-17 | Recycled Water Irrigation System Clock Marking |
| RW-18 | General Recycled Water Identification Tag |
| RW-19 | Recycled Water Landscape Irrigation Head Identification |
| RW-20 | Quick Coupling Valve |
| RW-21 | Cross Connection Control Test Station |
| RW-22 | Temporary Potable Water Supply To On-Site Recycled Water System |
| RW-23 | Temporary Potable Water Supply To Recycled Water System |

In addition to the standard drawings, Section 34 and Section 35 are new to the Standard Specifications as indicated below:

SECTION 33 – RECYCLED WATER FACILITIES DESIGN CRITERIA


PART I	DEFINITIONS
Section 33.1	Definitions
Section 33.2	Other Requirements
PART II	GENERAL PROVISIONS
Section 33.3	Other Requirements
Section 33.4	Enforcements
PART III	DESIGN CRITERIA
Section 33.5	Recycled Water Main Pressures, Capacities and Sizes
Section 33.6	Location of Air release Valve Assemblies
Section 33.7	Location of Blow-Off Assemblies
Section 33.8	Recycled Water Main Locations
Section 33.9	Criteria for the Separation
Section 33.10	Alternate Criteria for Construction
Section 33.11	Procedure for Water, Recycled Water and Sewer System Installations in Subdivisions
Section 33.12	Easements
Section 33.13	Depth of Recycled Water Mains
Section 33.14	Structural Requirements
Section 33.15	Design Criteria for Recycled Water Meters
PART IV	MATERIALS
Section 33.16	Requirements
Section 33.17	Pipe Materials
Section 33.18	Valves
Section 33.19	Appurtenances

SECTION 34 – RECYCLED WATER FACILITIES

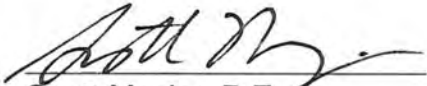
Section 34.1	Scope
Section 34.2	General
Section 34.3	Polyvinyl Chloride (PVC) Pressure Pipe and Fittings Installation
Section 34.4	Ductile Iron Pressure Pipe and Fittings Installation
Section 34.5	Valve Casing and Lid Installation
Section 34.6	Earthwork for Ductile Iron and PVC Pipe Installation
Section 34.7	Backfilling and Tamping
Section 34.8	Testing and Sterilization

Section 34.9 Signage
Section 34.10 Abandonment

Reviewed and Approved:


Andrew Benelli, P.E.
City Engineer

Oct. 15, 2014
Date


Scott Mozier, P.E.
Public Works Director

Oct. 15, 2014
Date