

Water Meter (Landscape) Specifications

Updated: 06-19-2015

Which Specification do I Use?

There are **three typical scenarios** for water meter installation, and a different way of specifying and paying for each:

Option A

The Water Purveyor provides and installs the meter (hot tap and sanitize) and the Contractor coordinates and pays the Water Purveyor for their work from funds included in the bid item.

Option B

The Water Purveyor provides and installs the meter (hot tap, meter installation, and sanitation), and Caltrans just pays the Water Purveyor using Department Furnished Expense funds. This item is on the “ 2013 Federally Participating Department Furnished Expenses” list

Option C

The Contractor installs the meter (hot tap and sanitize) per specifications and details provided by the water purveyor/utility company/city or county. Use non-standard specification NSSP 77-1 as a template to specify the Contractor installation of water meters in accordance with the local water purveyor's specifications and details. Edit to include local requirements. Include a one-time non-standard bid item to cover labor and materials required to complete the work.

Here are the specs and details involved in each of these scenarios.

Water Meters Used for Landscape Irrigation

The provision and installation of water meters used for landscape irrigation is typically specified in one of the three following ways. The table below summarizes the most common approaches to specifying water meter installation.

Condition	Payment	Standard Specification or Revised Standard Specification (RSS) that applies	Standard Special Provision (SSP) and SSP paragraphs to be used
A. Contractor makes <u>arrangements</u> with local water purveyor for the purveyor to provide and install meter.	Water meter installation charge paid to the water purveyor by Contractor. Bid item 995100 Water Meter Installation Charge reimburses the Contractor.	RSS 5-1.20E	Use <u>SSP 5-1.20E</u> . Edit paragraphs 1 and 2 as necessary.
B. Caltrans Resident <u>Engineer makes arrangements</u> with local water purveyor for the purveyor to provide and install meter.	Water meter installation charge is paid by Resident Engineer. Use Department Furnished Expense item 066915A WATER SERVICES CONNECTION	RSS 5-1.20E	Use <u>SSP 5-1.20E</u> paragraph 3.

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<p>C. Contractor provides <u>meter and installs meter</u> and supply line per purveyor requirements as included in purveyor-specific non-standard project specifications.</p>	<p>Create a one-time Section 77 Bid Item <u>Water Meter Capacity Fee</u> to pay for the connection fee and permits.</p> <p>Create a second one-time Section 77 Bid Item <u>Potable Water</u> to pay for the installation, including providing and installing the water meter, water line, hot tap, line chlorination, and testing.</p>	<p>Standard Specification Section 77 Local Infrastructure</p>	<p><u>Create a non-standard special provision (NSSP) for Section 77 Local Infrastructure</u> based upon local water purveyor specifications that describes the irrigation water meter installation, supply line hot tap, and sterilization requirements. Contact the owner of Section 77 for approval.</p>
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Note: SSP 5-1.20E replaces the cancelled Standard Special Provisions (SSPs) 20-2.12 X1 and 20-2.12 X2 that provide direction regarding who coordinates the Water Meter installation – either the RE or the Contractor.