



DESIGN GUIDELINES

For Potable Water, Recycled Water and Sewer Facilities

INTRODUCTION

February 1, 2008

In April 2001, several public water agencies in the region of San Diego County formed a committee to work toward the adoption and publication of a common set of Design Guidelines for planning and design of potable water, recycled water, raw water and sewer facilities. The intent of this effort was to simplify and standardize project requirements for those who provide design on projects in the geographical areas administered by these water districts. It is neither intended as, nor does it establish, a legal standard for these functions. It is also the intent of this effort to reduce the cost of producing designs, save on construction costs, and improve on the ability to share resources between agencies. This effort was the outgrowth of an existing Shared Resources Agreement between several of these public agencies.

While the purpose of these Guidelines is to assure uniformity between different facilities, it is certainly not to stifle creativity, design innovation and ingenuity of the designer. Designers are ultimately responsible for their design efforts, and this responsibility in no way is diluted or absolved by these guidelines.

The six original agencies signatory to this effort are Helix Water District, Otay Water District, Padre Dam Municipal Water District, Lakeside Water District, Riverview Water District and Sweetwater Authority. These agencies have adopted the name *Water Agencies' Standards Design Guidelines Committee (WADGC)* as the entity publishing the *Water Agencies' Standards Design Guidelines (WADG)*, which became effective on September 7, 2004.

Between April 2001 and the date shown above, two additional agencies, Ramona Municipal Water District, and Santa Fe Irrigation District, have also adopted the *Design Guidelines*. Projects designed within the jurisdictional boundaries of the agencies listed as Signatory Agencies must conform to the provisions of the current edition of the *Water Agencies' Standards - Design Guidelines*.

The guideline was prepared using English Units of measurement. The WADGC recognizes the need for the use of the SI Metric System in some circumstances (e.g., state or federal funded projects). Users of these guidelines must consult with the appropriate governing agency to determine if this applies. It was the WADGC's intention for the end user of the guideline to make necessary conversions to the SI Metric System when designs dictated its use. It is ultimately the Design Engineer's responsibility for the accuracy in converting from the English Units of measurement to the SI Metric System in the use of these guidelines and the design of a project.

It is the intent of the WASC that the *Design Guidelines* be dynamic documents. Annual revisions have typically been made to the *Design Guidelines*, and the WADGC continues to meet on a regular basis and to issue revisions as warranted. The current *Design Guidelines*, including all updates, are now only available through the Water Agencies' Standards website, www.sdwas.com. There is no charge for viewing, downloading, or printing the *Design Guidelines*. Registration is not mandatory, however, automatic e-mail notification of updates to the *Design Guidelines* will be sent to registered users only.

Many of the instructions given herein are subject to amendment as conditions and experiences seem to warrant. Special situations may call for variation from these guidelines, subject to Agency approval, or such approval as may be specifically requested. These variations from the guidelines should be determined on a project by project basis during scope negotiations between the Designer and the Agency, based on the experience of the Agency staff involved and the needs of the individual project.

Please refer to Appendix "A" for making comments or for proposing changes to these *Design Guidelines*.