

## PREFACE

The purpose of the NBU STANDARD SPECIFICATIONS is to provide the design professional a guide for accepted construction practices within the City of New Braunfels and outside the city to the boundaries of the New Braunfels Utilities service area. As an aid to the designer, these standard specifications are provided for the inclusion in proposed development projects for ease, efficiency and cost savings.

Standard specifications contained in this manual are not intended to limit the design responsibility of the design professional. However, they establish a minimum acceptable size and/or quality for use within the City of New Braunfels and within the New Braunfels Utilities service area.

The design professional may increase the requirements of an item contained in the standard specifications to meet job requirements, but when this is done, there should be no reference on the plans to the New Braunfels Utilities standard specification and a new specification should be included in the plans or project contract documents.

The design professional must review all Standard Specifications to be sure that they are adequate for the proposed project based on the job site conditions, and the design professional is solely responsible for the designs submitted under his seal.

In order to keep design standards current with ever changing regulations and improved construction materials this section will be updated and maintained by the Water Systems Engineering Division and not require separate New Braunfels Utilities Board of Directors approval. Prior to starting a new design project the design professional should contact the New Braunfels Utilities Water Systems Engineering Division to verify that he/she has the latest document revisions.

## Adopted Standard Specification Items, effective December 9, 2003

### **Series 100 – Earthwork**

102	Clearing and Grubbing	12/09/03
130	Borrow	12/09/03

### **Series 200 – Subgrade and Base Construction**

210	Flexible Base	12/09/03
220	Dust Control	12/09/03

### **Series 300 – (Not Currently in Use)**

### **Series 400 – Concrete and Structures**

401	Structural Excavation and Backfill	12/09/03
402	Flowable Fill	12/09/03
403	Concrete for Structures	12/09/03
405	Concrete Admixtures	12/09/03
406	Reinforcing Steel	12/09/03
408	Concrete Joint Materials	12/09/03
409	Membrane Curing	12/09/03
410	Concrete Structures	12/09/03
411	Surface Finishes for Concrete	12/09/03
413	Cleaning and/or Sealing Joints and Cracks (PCC)	12/09/03
430	Concrete Curb and Gutter	12/09/03
432	Concrete Sidewalks	12/09/03
434	Concrete Medians and Islands	12/09/03
436	Concrete Valley Gutters	12/09/03

### **Series 500 – Pipe and Appurtenances**

501	Jacking or Boring Pipe	12/09/03
503	Frames, Grates, Rings and Covers	12/09/03
504	Adjusting Structures	12/09/03
505	Concrete Encasement and Encasement Pipe	12/09/03
506	Manholes	12/09/03
507	Bulkheads	12/09/03
509	Trench Safety Systems	12/09/03
510	Pipe	12/09/03
511	Water Valves	12/09/03

### **Series 600 – Environmental Enhancement**

601	Salvaging and Placing Topsoil	12/09/03
602	Sodding for Erosion Control	12/09/03
604	Seeding for Erosion Control	12/09/03
605	Soil Retention Blanket	12/09/03
606	Fertilizer	12/09/03
610	Preservation of Trees and Other Vegetation	12/09/03
620	Filter Fabric	12/09/03

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632	Storm Inlet Sediment Trap	12/09/03
639	Rock Berm	12/09/03
642	Silt Fence	12/09/03

**Series 700 – Traffic Control**

703	Barricades, Signs and Traffic Handling	12/09/03
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