



San Antonio Water System
 PROJECT CONSTRUCTION PROGRAM

MEMORANDUM

2008 Specifications for Water and Sanitary Sewer Construction
Significant Changes

All measures are in U.S. standard “NO METRIC”

Recycle Water System	110
<ul style="list-style-type: none"> • Comply with TCEQ • Standard color of pipe pantone 512 	
Excavation, Trenching and Backfill	804
<ul style="list-style-type: none"> • All compaction @ 98% density test across the board. • 1 random density test per lift for every 400’. • PENDING service contract to do all density tests. • New detail DD 804-2 indicating of trench density testing. 	
Reinforced Concrete Vaults	808
<ul style="list-style-type: none"> • As per details ALL VAULTS MUST HAVE DRAINS. 	
Service Supply Lines (Water)	824
<ul style="list-style-type: none"> • New non metered fire line detail • All A.C. pipes should be taped with service saddles. • Detail DD 824-22 removed. • Corrected all verbiage about fire hydrant “face of curb back of curb”. 	
Gate Valves	828
<ul style="list-style-type: none"> • Gate/butterfly valves constructed in terrace shall be constructed with No. 3 bars as indicated on details. 	
Meter and Meter Box Installation	833

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Sanitary Sewers	848
<ul style="list-style-type: none"> • All mains SDR 26 PVC (ASTM D 3034) with a PSI of 115. • At waterline crossings and where water and sewer mains are parallel and separation distance can not be achieved as per TAC 30, 317.13 use extra stiff pipe SDR 26 PVC (ASTM D 2241) with a PSI of 150. 	
Sanitary Sewer Structures	850
<ul style="list-style-type: none"> • New coating requirements. • 4 rings max for new structures. 	
Adjusting Existing Manholes	851
<ul style="list-style-type: none"> • 2 rings min. • 6 rings max. 	
Sanitary Sewer Manholes	852
<ul style="list-style-type: none"> • Still not going 100% hinged but still approved material for use. • Floatable backfill 	
Reconstruction of Existing Manholes	855
<ul style="list-style-type: none"> • Flowable backfill 	
Sewer Main Television Inspection	866
<ul style="list-style-type: none"> • All DVD and particular format. 	