TW

GENERAL					
PROCESS FLUID	SYMBOL	MAXIMUM CONDITIONS		TEST CONDITIONS	
		PRESSURE (kPa)	TEMP. (°C)	PRESSURE (kPa)	DURATION (Min.)
Treated Water (pre/post-UV)	**TW**	50	35	350	120

PIPE					
LOCATION	SIZE (mm)	MATERIAL	RATING	MATERIAL SPECIFICATIONS	REMARKS
All	≤600	Carbon steel	SCH 40	AWWA C200	
All	>600	Carbon steel	9.5 mm wall thickness	AWWA C200	
All	≤600	304L Stainless steel	SCH 10S	AWWA C220	
All	>600	304L Stainless steel	9.5 mm wall thickness	AWWA C220	

COATINGS				
LOCATION	SIZE (mm)	MATERIAL	MATERIAL SPECIFICATIONS	REMARKS
Stainless Steel Piping	All	N/A		
Mild Steel (Buried or Exposed)	All	Epoxy	Section 15160	

LININGS				
LOCATION	SIZE (mm)	MATERIAL	MATERIAL SPECIFICATIONS	REMARKS
Stainless Steel Piping	All	N/A		
Mild Steel (Buried or Exposed)	All	Epoxy	Section 15160	

JOINTS					
LOCATION	SIZE (mm)	TYPE	MAXIMUM SPACING	SPECIFICATIONS	REMARKS
Inside Building, Flanged	All	AWWA Class 'D'		AWWA C207 Section 15100	
Inside Building, Grooved Ring Joint	All	Shurjoint R88	Only where shown on Drawings	Section 15100	
Inside Building, Dismantling	All	Robar 7906DJ	Only where shown on Drawings		
Inside Building, Welded	All	Shop Weld	As Required	Section 15100	
Buried, Welded	All	Shop Weld	12m	Section 15100	
Buried, Slip-on Couplings	All	Robar 1906		Section 15100	

FITTINGS AND APPURTENANCES					
ITEM	SIZE (mm)	MATERIAL	RATING	SPECIFICATIONS	REMARKS
Butterfly Valves	≥600	Cast Iron	1030 kPa	Section 11101	
Butterfly Valves	<600	Cast Iron	1030 kPa	Section 15113	
Sample Taps	<100	304L Stainless	SCH 40	ASTM A270	
Ball Valves	<100	Rubber seat	1030 kPa	Section 15113	
Other	All		Same as pipe	To AWWA M11	

NOTES

1. At the Contractor's discretion, either stainless steel or carbon steel can be used as a material for TW piping. Piping materials should be consistent throughout buried portions, and throughout exposed portions.