



**WATER DISTRIBUTION SYSTEM
ACCEPTABLE PRODUCTS & MANUFACTURERS**

PARAGRAPH	PRODUCT	MANUFACTURERS
	Potable Water Pipe	
	<i>Ductile Iron Pipe</i>	American Cast Iron Pipe Company U.S, Pipe and Foundry Clow McWane Ductile Griffin Pipe
	<i>Polyvinyl Chloride (PVC) Pipe</i>	J.M. Eagle Blue Brute Diamond Plastics Corporation North American Pipe Corporation National Pipe and Plastics Vulcan U.S. Plastic Corp.
	<i>Polyethylene Tubing</i>	Charter ADS
	<i>High Density Polyethylene (HDPE) Pipe</i>	Performance J.M. Eagle Lamson WL Plastics Integrity Fusion
	<i>Steel Casing Pipe</i>	Pittsburg Pipe Arntzen Pipe United-Steel
	Fittings	
	<i>Ductile Iron</i>	American Cast Iron Pipe Company U.S, Pipe and Foundry Clow McWane Star Pipe Sigma Corporation
	<i>PVC</i>	J.M. Eagle Blue Brute Diamond Plastics Corporation North American Pipe Corporation National Pipe and Plastics Vulcan
	Joints	
	<i>Mechanical Joint Restraints</i>	American Cast Iron Pipe Company U.S, Pipe and Foundry Clow McWane Star Pipe Sigma Corporation EBAA Iron Sales
	<i>Harness (Bell) Restraints</i>	American Cast Iron Pipe Company U.S, Pipe and Foundry Clow McWane Star Pipe Sigma Corporation EBAA Iron Sales



Valves and Appurtenances	
<i>Gate Valves (4" and Larger)</i>	Clow/Mueller/Kennedy
<i>Gate Valves (2")</i>	Matco Mueller
<i>Fire Hydrants</i>	Clow Medallion Mueller Super Centurion
<i>Valve Boxes</i>	Star Sigma
<i>Tapping Sleeves</i>	JCM Smith-Blair
Water Services and Appurtenances	
<i>Corporation Stops</i>	Mueller Ford
<i>Curb Stops</i>	Mueller Ford
<i>Double Strapped Tapping Saddles</i>	JCM Ford Smith-Blair
<i>Meter Boxes (Residential)</i>	Pentair
<i>Meter Boxes (1-1/2" and 2" Meters)</i>	Pentair
Backflow Prevention Devices	
<i>Double Check Valve (DCV) Assemblies</i>	Watts Hersey Febco Wilkins
<i>Reduced Pressure Zone (RPZ) Assemblies</i>	Watts Hersey Febco Wilkins
Miscellaneous Items	
<i>Detection Tape</i>	Omega Pro-Line Signaltape
<i>Tracer Wire</i>	Copperhead Apex
<i>Polyethylene Wrap</i>	Trumbull
<i>Casing Spacers</i>	BWM Cascade
<i>End Seals</i>	BWM Cascade

Note:

Where no manufacturer is listed for a particular item of material or equipment, the contractor may select the manufacturer provided that all requirements of these standards for that particular item of material or equipment are met. Submittals of such items are required.



**WASTEWATER COLLECTION- GRAVITY SEWER
ACCEPTABLE MANUFACTURERS**

PARAGRAPH	PRODUCT	MANUFACTURERS
	Material Specifications	
	<i>PVC 1120, Class 160, SDR 26 PVC 1120, Pressure Class (PC) 235</i>	Vulcan Plastics JM Eagle
	<i>SDR 26 Gasketed Fittings</i>	Multi-Fittings GPK Products Plastic Trends
	<i>PVC 1120, Class 118, SDR 35</i>	Vulcan Plastics JM Eagle
	<i>SDR 35 Gasketed Fittings</i>	Multi-Fittings GPK Products Plastic Trends
	<i>No Hub Fittings</i>	Fernco LDR
	<i>PVC 1120, Class 150, DR 18</i>	Vulcan Plastics JM Eagle
	<i>DR 18 Sewer Safe Mechanical Joint Fittings</i>	Star Pipe Sigma Corp.
	<i>Ductile Iron Pipe</i>	Griffin Pipe US Pipe
	<i>Ductile Iron Pipe Sewer Safe Mechanical Joint Fittings</i>	Star Pipe Sigma Corp.
	<i>High Density Polyethylene (HDPE) Pipe</i>	Performance Pipe JM Eagle Lamson & Sessions
	<i>Fusible Polyvinyl Chloride (PVC) Pipe</i>	Underground Solutions Inc. (ONLY MANUFACTURE)
	<i>Sewer Safe Coupling</i>	HyMax Star Pipe Sigma Corp.
	Manhole Structures	
	<i>Precast Concrete Manholes</i>	Hanson Pipe and Precast MegaCast MST Concrete Products
	<i>Fiberglass Manholes</i>	L.F. Manufacturing, Inc.
	<i>Manhole Frame and Covers</i>	U.S. Foundry and Manufacturing
	Sewer Manholes	
	<i>Grade Rings</i>	Sealing Systems, Inc. Custom Concrete LadTech System
	Concrete Corrosion Protection	
	<i>Moderate Risk Corrosion Protection</i>	Raven Epoxy 405 EpoxyTec CPP
	<i>High Risk Corrosion Protection</i>	IMERYS SewperCoat Madewell Mainstay GML Green Monster Structural



	<i>Significant Risk Corrosion Protection</i>	IMERYS SewperCoat Vortex AluminaLiner GML Green Monster Extreme

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**WASTEWATER COLLECTION – PUMP STATION AND FORCE MAIN
ACCEPTABLE MANUFACTURERS**

PARAGRAPH	PRODUCT	MANUFACTURERS
	Site Requirements	
	<i>Bypass Pumping Connection Cam Lock</i>	Dixon OPW
	<i>Bypass Piping PVC 1120, Class 150, DR 18</i>	Vulcan Plastics JM Eagle
	<i>DR 18 Sewer Safe Mechanical Joint Fittings</i>	Star Pipe Sigma Corp.
	<i>Bypass Piping Ductile Iron Pipe</i>	Griffin Pipe US Pipe
	<i>Ductile Iron Pipe Sewer Safe Mechanical Joint Fittings</i>	Star Pipe Sigma Corp.
	Wet Well & Vault Access	
	<i>Access Hatches</i>	U.S. Foundry
	Wetwell & Vault Structures	
	<i>Precast Concrete Structures</i>	MST Inc. Hanson Pipe and Precast Mega Cast Old Castle
	<i>Fiberglass Structures</i>	Xerxes L.F.M. manufacturing Thompson Pipe Group Flowtite
	<i>High Density Polyethylene (HDPE)</i>	ISCO Manufacturing Consolidated Pipe Supply- Custom
	Wet Well and Discharge Header Piping	
	<i>Interior Piping High density Polyethylene (HDPE) Pipe</i>	Performance Pipe JM Eagle Lamson & Sessions
	<i>Interior Piping Class 53 Flange by Flange Ductile Iron Pipe</i>	Star Pipe Sigma Corp.
	<i>Exterior Piping Class 53 Flange by Flange Ductile Iron Pipe</i>	Griffin Pipe US Pipe
	<i>Exterior Pipe Fittings Flange by Flange</i>	Star Pipe Sigma Corp.
	Valves and Appurtenances	
	<i>Isolation (Plug) Valves</i>	Mueller Dezurik
	<i>Check Valves</i>	Clow
	<i>Air Release Valve</i>	A.R.I.
	<i>Discharge Gauge Fittings</i>	
	Pumping Station	
	<i>Submersible Pumps</i>	Flygt KSB Ebarra Wilo
	<i>Grinder Pumps</i>	Flygt KSB Ebarra Wilo
	<i>Suction Lift</i>	Gorman-Rupp



Electrical Equipment and Controls		
	<i>Enclosure</i>	Saginaw Hoffman Hammond APX Flygt Bison
	<i>Motor Starters Variable Frequency Drives</i>	Danfoss (preferred) ABB Square D Yasakawa ITT Toshiba
	<i>Circuit Breakers</i>	Square D GE Cutler Hammer Westinghouse
	<i>Audible Alarm</i>	Federal Signal
	<i>Alarm Light</i>	Federal Signal
	<i>GFI Receptacles</i>	ISO GE Morris Levite
	<i>Generator Receptacles</i>	Crouse Hinds
	<i>Manual Transfer Switch</i>	ABB TruOne (preferred) Square D GE Westinghouse
	<i>Hand Off Auto Switches</i>	Cutler Hammer Square D
	<i>Power Monitor</i>	Diversified Electronics
	<i>Relays</i>	NTE Allen Bradley AA Electric Iddec
	<i>Lighting Arrestors</i>	Square D ASCO Ditek Delta
	<i>Elapsed Time Meter</i>	ENG Yokogawa
	<i>Level Controls</i>	Roto Float Blue Ribbon Keller ITT
	<i>Transformers</i>	Hammond GE Square D Warrick ACME
PARAGRAPH	PRODUCT	MANUFACTURERS
	Remote Terminal Unit	
	<i>RTU (SCADA)</i>	Electric Machine Control, Inc.



	Low Flow Station (Only) RTU System	
	<i>RTU (SCADA)</i>	Electric Machine Control, Inc.
	On-Site Standby Generators & Automatic Transfer Controls	
	<i>Standby Generators</i>	Cummins Onan Caterpillar
	<i>Engine-Generator Controls</i>	Cummins Onan Caterpillar
	<i>Auto Transfer Switches</i>	ABB TruOne GE ASCO Onan Caterpillar
	Force Main Materials	
	<i>SDR 21 Class 200 PVC Pipe AWWA C-900/C-905 DR-18</i>	J.M. Eagle Blue Brute Diamond Plastics Corporation North American Pipe Corporation National Pipe and Plastics Vulcan U.S. Plastic Corp.
	<i>DR 11 (HDPE) Pipe High Density Polyethylene</i>	Performance Pipe J.M. Eagle Lamson
	<i>Interior Coated CL52 Ductile Iron Pipe</i>	American Cast Iron Pipe Company U.S. Pipe and Foundry Clow McWane Ductile Griffin Pipe
	<i>Sewer Safe Mechanical Joint Fittings</i>	American Cast Iron Pipe Company U.S. Pipe and Foundry Clow McWane Star Pipe Sigma Corporation EBAA Iron Sales
	<i>Sewer Safe Coupling</i>	Mueller Hymax USA Star Pipe Sigma Corporation
	<i>Isolation (Plug) Valves Air Release Valves</i>	Clow Mueller A.R.I.
	Miscellaneous Items	
	<i>Detection Tape</i>	Omega Pro-Line Signaltape
	<i>Tracer Wire</i>	Copperhead Apex

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**GREASE INTERCEPTORS, OIL AND SAND INTERCEPTORS
ACCEPTABLE MANUFACTURERS**

PARAGRAPH	PRODUCT	MANUFACTURERS
	Precast Concrete	
	<i>Precast Concrete Tanks</i>	<ul style="list-style-type: none"> - Oldcastle - AAA Precast
	Pre-engineered Interceptors	
	<i>Pre-engineered grease interceptors (poly)</i>	<ul style="list-style-type: none"> - Ashland - Endura - Schier
	<i>Pre-engineered grit and sand separators</i> <ul style="list-style-type: none"> - Art room sink - Dental/Medical plaster casting - Sink to which any soil, grit, debris, etc. will be discharged. <ul style="list-style-type: none"> - Mud room drain - Washdown facility 	<ul style="list-style-type: none"> - Gleco Trap GT-19, GT-64, GT-32-C, GT-43-C, GT-128-C - Zurn Z-1180 Z-1181 Solids Interceptor (sized by the number and size of the sinks being served). - Zurn Z-1187 Sand & Sediment Interceptor - Zurn Z-1187-SI Sand Interceptor - Jay R Smith 8811 Sand Interceptor - Jay R Smith 8817 Sand & Sediment Interceptor
	<i>Pre-engineered hair and lint traps</i> <ul style="list-style-type: none"> - Shampoo bowl in hair salon - Pet grooming sink <ul style="list-style-type: none"> - Residential grade washing machine used in commercial building. <ul style="list-style-type: none"> - Commercial grade washing machine. 	<ul style="list-style-type: none"> - Marble Products No. 1701 "Catch-all" Hair Trap - Petlift Plastic Pet Hair Trap (PL5000) - Petlift Zurn Hair Trap Model 650 - Petlift Plastic Hair Trap Model 600 - Filtrol 160 Lint Trap - Zurn Z-1185 Lint Interceptor - Jay R Smith 8910 Lint Interceptor

* Applicant to provide data to verify correct sizing and application per manufacture's recommendations. No carbon steel (only stainless steel) or fiberglass tank/interceptors allowed.