


	Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations	
Access Boxes, Doors, Frames and Accessories	Access Rings and Covers	No Limit	-	-	Yes	-	-	U.S. Foundry	USF 227-SO	"Year, Hillsborough County Florida, Sanitary Sewer" and HC logo on cover (POR-15 Coating required for Force Main dumping into Gravity)		
			Yes	Yes	-	Yes	-	U.S. Foundry	USF 227-AS	"AIR RELEASE" on cover (POR-15 coating required for sanitary sewer)		
			-	-	-	-	Yes	U.S. Foundry	USF 105-M	LPSS use only. "SANITARY SEWER" on cover. (POR-15 coating required.)		
	Wastewater Force Main Air Release Valve Vent Box	Combo (Box & Lid)	No Limit	-	-	-	Yes	-	SouthEastern Distributors	MB-17S HILLS-BL	Black with lid lettering "Hillsborough County Sewer ARV"	
				-	-	-	Yes	-	DFW Plastics, Inc	DFW37C-SARVHILLS	Black with lid lettering "Hillsborough County Sewer ARV"	
				-	-	-	-	-				
		Lids	No Limit	-	-	-	Yes	-	SouthEastern Distributors	MB-17S HILLS-L	Black with lettering "Hillsborough County Sewer ARV"	
				-	-	-	Yes	-	DFW Plastics, Inc	DFW37C-SARV-LIDHILLS	Black with lettering "Hillsborough County Sewer ARV"	
				-	-	-	Yes	-	DFW Plastics, Inc	DFW37C-KSARV-LIDHILLS	Black with lettering "Hillsborough County Sewer ARV" Locking Lid, to be used by design exception only.	
		Base Boxes	No Limit	-	-	-	Yes	-	SouthEastern Distributors	MB-17 HILLS-B	Wastewater-->Black	
				-	-	-	Yes	-	DFW Plastics, Inc	DFW37C-BODY HILLS	Wastewater-->Black	
				-	-	-	Yes	-	Carson Industries	MSCBCF 1118-12 FL HILLS	Wastewater-->Black	
		Water Meter Boxes	Single Service	Combo (Base & Lid)	Yes	-	-	-	-	SouthEastern Distributors	MB-17 HILLS-BL	Potable-->Black
					-	Yes	-	-	-	SouthEastern Distributors	MB-17R HILLS-BL	Reclaimed-->Pantone 522C
					Yes	-	-	-	-	DFW Plastics, Inc	DFW37C-SBSM HILLS	Potable-->Black
	-				Yes	-	-	-	DFW Plastics, Inc	DFW37C-SPSM HILLS	Reclaimed-->Pantone 522C	
	-				-	-	-	-				
	Lids		No Limit	Yes	-	-	-	-	SouthEastern Distributors	MB-17 HILLS-L	Potable-->Black	
				-	Yes	-	-	-	SouthEastern Distributors	MB-17R HILLS-L	Reclaimed-->Pantone 522C	
				Yes	-	-	-	-	DFW Plastics, Inc	DFW37C-SBSM-LID HILLS	Potable-->Black	
Yes				-	-	-	-	DFW Plastics, Inc	DFW37C-KSBSM-LID HILLS	Potable-->Black. Locking Lid, to be used by design exception only.		
-				Yes	-	-	-	DFW Plastics, Inc	DFW37C-SPSM-LID HILLS	Reclaimed-->Pantone 522C		
-	Yes	-	-	-	DFW Plastics, Inc	DFW37C-KSPSM-LID HILLS	Reclaimed-->Pantone 522C. Locking Lid, to be used by design exception only.					


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Hillsborough County Public Utilities Department (HC-PUD)
Approved Products & Materials


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					POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)			
Access Boxes, Doors, Frames and Accessories	Water Meter Boxes	Base Boxes	No Limit	Yes	-	-	-	-	Carson Industries	MSCBCF 1118-12 FL HILLS	Potable-->Black	
				-	Yes	-	-	-	Carson Industries	MSCBCF 1118-12 FL HILLSR	Reclaimed-->Pantone 522C	
				Yes	-	-	-	-	SouthEastern Distributors	MB-17 HILLS-B	Potable-->Black	
				-	Yes	-	-	-	SouthEastern Distributors	MB-17R HILLS-B	Reclaimed-->Pantone 522C	
				Yes	-	-	-	-	DFW Plastics, Inc	DFW37C-BODY HILLS	Potable-->Black	
				-	Yes	-	-	-	DFW Plastics, Inc	DFW37C-PBODY HILLS	Reclaimed-->Pantone 522C	
	Water Meter Boxes	Dual Service	Combo (Box & Lid)	No Limit	Yes	-	-	-	-	SouthEastern Distributors	MB-18 HILLS-BL	Potable-->Black
					-	Yes	-	-	-	SouthEastern Distributors	MB-18R HILLS-BL	Reclaimed-->Pantone 522C
					Yes	-	-	-	-	DFW Plastics, Inc	DFW39C-SBSM HILLS	Potable-->Black
					-	Yes	-	-	-	DFW Plastics, Inc	DFW39C-SPSM HILLS	Reclaimed-->Pantone 522C
			Lids	No Limit	Yes	-	-	-	-	SouthEastern Distributors	MB-18 HILLS-L	Potable-->Black
					-	Yes	-	-	-	SouthEastern Distributors	MB-18R HILLS-L	Reclaimed-->Pantone 522C
					Yes	-	-	-	-	DFW Plastics, Inc	DFW39C-SBSM-LID HILLS	Potable-->Black
					Yes	-	-	-	-	DFW Plastics, Inc	DFW39C-KSBSM-LID HILLS	Potable-->Black. Locking Lid, to be used by design exception only.
		-			Yes	-	-	-	DFW Plastics, Inc	DFW39C-SPSM-LID HILLS	Reclaimed-->Pantone 522C	
		-			Yes	-	-	-	DFW Plastics, Inc	DFW39C-KSPSM-LID HILLS	Reclaimed-->Pantone 522C. Locking Lid, to be used by design exception only.	
		Base Boxes	No Limit	Yes	-	-	-	-	Carson Industries	MSCBCF 1416-12 FL HILLS	Potable-->Black	
				-	Yes	-	-	-	Carson Industries	MSCBCF 1416-12 FL HILLSR	Reclaimed-->Pantone 522C	
				Yes	-	-	-	-	SouthEastern Distributors	MB-18 HILLS-B	Potable-->Black	
				-	Yes	-	-	-	SouthEastern Distributors	MB-18R HILLS-B	Reclaimed-->Pantone 522C	
Yes	-			-	-	-	DFW Plastics, Inc	DFW39C-BODY HILLS	Potable-->Black			
-	Yes			-	-	-	DFW Plastics, Inc	DFW39C-PBODY HILLS	Reclaimed-->Pantone 522C			
Manhole Cover and Cone Casting Grade Adjusting Rings	No Limit	-	-	Yes	-	-	Ladtech	Wedge (Conical)	Approved for Traffic & Non-traffic applications. Shall be installed using a butyl sealant meeting ASTM C-990 per mfg. instructions.			
		Yes	Yes	Yes	Yes	-	U.S. Foundry	Type A: Steel Adjusting Rings	POR-15 Coating for sewer ARV and Force Main dumping into Gravity			
		-	-	-	-	-						
Valve Box and Cover	No Limit	Yes	Yes	Yes	Yes	Yes	Tyler / Union	6850 Series	Screw Type With Base and Lid			
		Yes	Yes	Yes	Yes	Yes	Sigma / Russell Pipe Company		Screw Type With Base and Lid			
		Yes	Yes	Yes	Yes	Yes	Star Pipe Products		Screw Type With Base and Lid			



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			-	-	-	-	-			
Wetwell Access and Frames (Hinged on discharge piping side)	No Limit	-	-	-	-	Yes	Halliday Products, Inc	Series S-R		
		-	-	-	-	Yes	Water / Wastewater Systems, Inc.		Fabricated with water Dept. Approval	
		-	-	-	-	-				
Backflow Prevention Assemblies & Devices (For Hillsborough County owned & maintained assets)	No Limit	Yes	-	-	-	-	Wilkins	975XL2	RPZ, 3/4" - 2", Required specs: ASSE 1013, AWWA C511, NSF-61	
		Yes	-	-	-	-	Wilkins	375XL/ 375AXL	RPZ, 2.5" - 10", Epoxy Coated Iron, Required specs: ASSE 1013, AWWA C511, NSF-61	
		Yes	-	-	-	-	Ford Meter Box Company INC	HHS31-323-K	5/8" x 3/4" Dual Check, for reclaim irrigation. Required specs: ASSE 1024, NSF-61.	
		-	-	-	-	-				
Casing Spacers	4	Yes	Yes	Yes	Yes	-	Cascade	CCS	Stainless Steel (8" to 48")	
		Yes	Yes	Yes	Yes	-	Pipeline Seal and Insulator Inc	C12G-2	8" width Min	
		Yes	Yes	Yes	Yes	-	RACI	S/T to P/Q (1.18" to 23.23")		
		-	-	-	-	-				
Marking Tape (4.5 mil Thickness & 2" Width minimum)	No Limit	Yes	-	-	-	-	Pro-Line Safety Products	Blue		
		-	-	-	Yes	-	Pro-Line Safety Products	Green		
		-	Yes	-	-	-	Pro-Line Safety Products	Purple		
		-	-	-	-	-				
Fire Hydrants	5	Yes	-	-	-	-	American Flow Control	B-84-B-5	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	
		Yes	-	-	-	-	Clow Valve Co. (McWane)	Medallion F-2545	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	
		Yes	-	-	-	-	Kennedy Valve Company (McWane)	Guardian K81D	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	
		Yes	-	-	-	-	Mueller Co.	Super Centurion (A-423)	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	
		Yes	-	-	-	-	U.S. Pipe Company (Mueller)	Metropolitan (M-94)	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	


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			Yes	Yes	Yes	Yes	Yes			
Flow Meters	With Double Check Backflow Meter, 3/4"	No Limit	Yes	-	-	-	-	Neptune Technology Group	T10DC (Dual Check)	
			-	-	-	-	-			
	5/8" x 3/4"	No Limit	Yes	Yes	-	-	-	Hersey Meters	430IIS	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Badger Meter Inc	Recordall Disk Series	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	T10	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	SRII	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Master Meter	BLMJ	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	1"	No Limit	Yes	Yes	-	-	-	Hersey Meters	452IIS	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Badger Meter Inc	Recordall Disk Series	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	T10	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	SRII	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Master Meter	BLMJ	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	1-1/2"	No Limit	Yes	Yes	-	-	-	Hersey Meters	562IIS	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Badger Meter Inc	Recordall Disk Series	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	T10	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	SR	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Master Meter	MJ	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	2"	No Limit	Yes	Yes	-	-	-	Hersey Meters	MVR 160 (Turbine)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Turbo Series)	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
			Yes	Yes	-	-	-	Hersey Meters	572IIS	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Badger Meter INC	Recordall Disk Series	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	T10	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	SR	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Master Meter	MJ	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
3"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Compound Series)	Potable-->Must be NSF-61 stamped and approved	
		Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	Potable-->Must be NSF-61 stamped and approved	
		-	-	-	-	-				
		Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Turbo Series)	Potable-->Must be NSF-61 stamped and approved	
		-	Yes	-	-	-	Hersey Meters	MVR 350 (Turbine)	Reclaim Only	
		Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved	
-	-	-	-	-						


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			Yes	Yes	-	-	-			
Flow Meters	Fireline 4" & Up	No Limit	Yes	-	-	-	-	Badger Meter Inc	RecordAll (Fire Series)	4"-12". Must be UL, FM & NSF-61 approved.
			Yes	-	-	-	-	Neptune Technology Group	HP Protectus III	4"-10". Must be UL, FM & NSF-61 approved.
			-	-	-	-	-			
	4"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Compound Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
			Yes	Yes	-	-	-	Badger Meter Inc	RecordAll(Turbo Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	6"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Compound Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
			Yes	Yes	-	-	-	Badger Meter Inc	RecordAll(Turbo Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	8"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll(Turbo Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	W-3500 Turbo	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			
	10"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll(Turbo Series)	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	Potable-->Must be NSF-61 stamped and approved
			Yes	Yes	-	-	-	Sensus Metering Systems	W-5500 Turbo	Potable-->Must be NSF-61 stamped and approved
			-	-	-	-	-			



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Leak, Water Proofing and Corrosion Protection	Corrosion Protection Systems	New Applications	No Limit	-	-	Yes	-	Yes	IET Systems	IET System 3: DS-101(min 5 mils dft)/ DS-301(min 125 mils dft)/ DS-401(min 5 mils dft)	Paints and Coatings: Carl Laquidara (Mfgr. Rep)
				-	-	Yes	-	Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)	
				-	-	Yes	-	Yes	Raven Lining Systems	Raven 155 Primer (min 8 mils dft)/ Raven 405 (min 125 mils dft)	Plastic Composites, Inc
				-	-	Yes	-	Yes	Sauereisen	210T (min 125 mils dft) / 210G (min 20 mils dft)	Plastic Composites, Inc, Exceletech Coatings and Applications, and Universal Painting Corp.
				-	-	-	-	-			
		Rehabilitation Applications	No Limit	-	-	Yes	-	Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)	
				-	-	Yes	-	Yes	IET Systems	IET System 3: DS-101(min 5 mils dft)/ DS-301(min 125 mils dft)/ DS-401(min 5 mils dft)	Paints and Coatings: Carl Laquidara (Mfgr. Rep)
				-	-	Yes	-	Yes	Raven Lining Systems	Raven 705CA/Raven 155 Primer (min 8 mils dft)/ Raven 405 (min 125 mils dft)	Plastic Composites, Inc
				-	-	Yes	-	Yes	Sauereisen	F-121 / 210T (min 125 mils dft)/ 210G (min 20 mils dft)	Plastic Composites, Inc, Exceletech Coatings and Applications, and Universal Painting Corp.
				-	-	-	-	-			
	Manhole Frame and Cover Protective Paint	No Limit	-	-	Yes	-	-	POR-15, INC	POR-15 with metal Prep		
			-	-	-	-	-				
			-	-	-	-	-				
	Flexible Manhole to Pipe Connectors	No Limit	-	-	Yes	-	-	A-Lok Products, Inc.	Z-Lok		
			-	-	Yes	-	-	NPC	Kor-N-Seal		
-			-	-	-	-					


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Painting Materials for Aerial/ Above Grade Piping, Fittings, and Valves	Rust Inhibitive Field Primer (Exterior)	No Limit	Yes	Yes	-	Yes	Yes	ICI/ Devoe Coatings	Devguard 4160	High Performance Alkyd	
			Yes	Yes	-	Yes	Yes	ICI/ Devoe Coatings	Devflex 4020PF	Premium Quality Waterborne Acrylic	
			Yes	Yes	-	Yes	Yes	Tnemec	Series 27WB	Typoxy Inorganic Hybrid Water-Based Epoxy	
			Yes	Yes	-	Yes	Yes	International Paint	Interlac 573	High Performance Alkyd	
			Yes	Yes	-	Yes	Yes	Sherwin-Williams	Kem Kromik B50XXX	Modified Alkyd	
			-	-	-	-	-				
	Finish (Exterior)	No Limit	Yes	Yes	-	Yes	Yes	ICI/ Devoe Coatings	Devguard 4308	Alkyd Industrial Gloss Enamel, use with 4160 primer	
			Yes	Yes	-	Yes	Yes	ICI/ Devoe Coatings	DevFlex 4216HP	High Performance Waterborne Acrylic Semi-Gloss Enamel, use with 4020PF primer	
			Yes	Yes	-	Yes	Yes	Tnemec	1074 (gloss) & 1075 (semi-gloss)	Endura-Shield II Acrylic Aliphatic Polyurethane, use with 27WB primer.	
			Yes	Yes	-	Yes	Yes	International Paint	Interlac 665 FD	Alkyd high gloss enamel, use with 573 primer.	
			Yes	Yes	-	Yes	Yes	Sherwin-Williams	B54Z Series	Industrial Alkyd enamel, use with B50XXX primer.	
			-	-	-	-	-				
	Piping Items	Interior Ceramic Epoxy Coatings (For Ductile Iron Pipes and Fittings)	No Limit	-	-	Yes	Yes	Yes	Induron Protective Coatings	Protecto 401	Applied at 40 mils thick nominal by a certified applicator. Required for all sanitary sewer applications. See Induron website for special handling considerations.
				-	-	-	-	-			
				-	-	-	-	-			
Ductile Iron Pipe (Ceramic Epoxy Coating required for Sanitary Sewer Applications)		Push-On, Flanged, and Mech Joint (4" & up)	No Limit	Yes	Yes	-	Yes	Yes	U.S. Pipe Company		Push-On gasket Tyton.
				Yes	Yes	-	Yes	Yes	American Ductile Iron Pipe Company		Push-On gasket Fastite.
				Yes	Yes	-	Yes	Yes	McWane Inc. - Ductile Iron Pipe Group		Push-On gasket Tyton/ Fastite.
				Yes	Yes	-	Yes	Yes	Griffin Pipe Products		Push-On gasket Tyton.
				-	-	-	-	-			
With Mfg Restrained Joint		No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex		
			Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Flex Ring	4" to 42"	
			Yes	Yes	-	Yes	-	Clow Water Systems (McWane)	Superlock		
			Yes	Yes	-	Yes	-	Griffin Pipe Products	Snap-Loc RJ Pipe		


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			POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)			
Piping Items (Continued)	2" or 3" (AWWA 2241)	No Limit	-	Yes	-	-	Diamond Plastics Corporation		
			-	Yes	-	-	National Pipe & Plastics Inc		
			-	Yes	-	-	North American Pipe		
	4" to 15" (AWWA C900 & C909)	No Limit	Yes	Yes	-	Yes	Diamond Plastics Corporation	AWWA C900	
			Yes	Yes	-	Yes	JM Eagle	AWWA C900 & C909	
			Yes	Yes	-	Yes	National Pipe & Plastics Inc	AWWA C900	
			Yes	Yes	-	Yes	North American Pipe	AWWA C900	
			-	-	-	-			
	4" to 15" (ASTM D 3034)	No Limit	-	-	Yes	-	Diamond Plastics Corporation		
			-	-	Yes	-	JM Eagle	Gravity Sewer Pipe	
			-	-	Yes	-	National Pipe & Plastics Inc	Plastic Sewer Main (PSM) Pipe	
			-	-	Yes	-	North American Pipe		
	14" and Above (AWWA C905)	No	Yes	Yes	Yes	Yes	JM Eagle	Big Blue	Specify appropriate pipe color for service.
			Yes	Yes	Yes	Yes	Diamond Plastics Corporation	Trans 21	Specify appropriate pipe color for service.
			Yes	Yes	Yes	Yes	North American Pipe		Specify appropriate pipe color for service.
			-	-	-	-			
	With Mfg Restrained Joint	No Limit	Yes	Yes	-	Yes	CertainTeed	Certa-Lok C900/RJ	4"-12" (Entire C900 locking system is approved)
			Yes	Yes	-	Yes	Underground Solutions	Fusible C-900®, Fusible C-905® and Fusible PVC™ (FPVCT™)	Underground Solutions is a contract manufactured brand (Must have a PRC approved Manufacturer's Stamp on pipe--listed above). Approved 4"-30".
			-	-	-	-			
	Polyethylene Pipe, 1" & 2" (AWWA C901)	No Limit	Yes	Yes	-	-	Chevron Phillips Chemical Company	DriscoPlex 5100 Ultra-Line	Black tube. Must be marked in field per spec for applicable service. PE4710 SDR 9
Yes			-	-	-	Endot	Endopure	PE 4710 SDR 9	
-			Yes	-	-	Endot	Endocore	PE 4710 SDR 9	
-			Yes	-	-	Charter Plastics	Lavender Ice CTS Tubing	PE 3608 SDR 9	
Yes			-	-	-	Charter Plastics	Blue Ice CTS Tubing	PE 3608 SDR 9	
-			-	-	-				

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Hillsborough County Public Utilities Department (HC-PUD)
Approved Products & Materials

			Optimal County Limit 	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations	
				Yes	Yes	-	Yes	Yes				
Piping Items (Continued)	Fitting Type Items	Directional Change Fittings	Ductile Iron (C110 & C153)	No Limit	Yes	Yes	-	Yes	Yes	U.S. Pipe Company		Sewer-- Aprvd Ceramic Epoxy needed
				No Limit	Yes	Yes	-	Yes	Yes	Sigma / Russell Pipe Company		Sewer-- Aprvd Ceramic Epoxy needed
				No Limit	Yes	Yes	-	Yes	Yes	American Ductile Iron Pipe Company		14" & Larger; Sewer--Ceramic Exoxy Interior
				No Limit	Yes	Yes	-	Yes	Yes	Tyler/Union		Sewer-- Aprvd Ceramic Epoxy needed
				No Limit	Yes	Yes	-	Yes	Yes	One-Bolt Inc.		Mfg Restraint included; Sewer-- Ceramic Epoxy Interior
				No Limit	Yes	Yes	-	Yes	Yes	Star Pipe Products		Sewer-- Aprvd Ceramic Epoxy needed
				No Limit	-	-	-	-	-			
		PVC (SDR 26) For Laterals	No Limit	-	-	Yes	-	-	Harrington Corp (HARCO)		Approved thru 8"	
			No Limit	-	-	Yes	-	-	Multi Fittings Corp		Approved thru 8"	
			No Limit	-	-	Yes	-	-	National Pipe & Plastics Inc		4" to 15"	
			No Limit	-	-	Yes	-	-	Plastic Trends			
			No Limit	-	-	-	-	-				
			No Limit	-	-	-	-	-				
			No Limit	-	-	-	-	-				
	Service Saddles	No Limit	Yes	Yes	-	-	-	Smith-Blair (Sensus)	313	Epoxy coat DI body, dual bale		
			Yes	Yes	-	-	-	Ford Meter Box Company INC	F-202	E-coat DI body, dual bale		
			Yes	Yes	-	-	-	JCM Industries	402	Shop coat DI body, dual bale		
			-	-	-	Yes	-	Continental Industries INC	PVC FastTap	3"-6", For LPSS use only		
			Yes	Yes	Yes	Yes	-	JCM Industries	406	Epoxy coat DI body, dual SS Straps		
			-	Yes	Yes	Yes	-	Cascade	CNS2	Epoxy coat DI body, dual SS Straps		
			-	-	-	-	-					
			-	-	-	-	-					
			-	-	-	-	-					
			-	-	-	-	-					
			-	-	-	-	-					
Tapping Sleeve	Size-on-Size Taps	Fabricated SST w/ flange outlet, wrap-around gasket	No Limit	Yes	Yes	-	Yes	-	Mueller Co.	H-304SS	4"-12" (For Use on PVC, AC, DI & CI)	
			No Limit	Yes	Yes	-	Yes	-	JCM Industries	432	4"-12" (For Use on PVC, AC, DI & CI)	
			No Limit	Yes	Yes	-	Yes	-	Cascade	CST-EX	4"-12" (For Use on PVC, AC, DI & CI)	
		Iron with MJ ends & flange outlet	No Limit	Yes	Yes	-	Yes	-	Mueller Co.	H-615 Tapping Sleeve	4"-24", 4"-12" for PVC (For Use on PVC, DI & CI)	
			No Limit	Yes	Yes	-	Yes	-	American Flow Control	Series 2800	4"-16" (For Use on DI & CI)	
			No Limit	Yes	Yes	-	Yes	-	American Flow Control	Series 1004	14"-36" (For use on DI & CI)	
			No Limit	Yes	Yes	-	Yes	-	Tyler/Union		6"-12" (For use on DI & CI)	
			No Limit	-	-	-	-	-				
			No Limit	-	-	-	-	-				



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Piping Items (Continued)		Fitting Type Items		Tapping Sleeve		Less Than Size-On Size Taps		Iron with MJ ends & flange outlet		Fabricated Carbon Steel, Epoxy Coated, SST hdwe, w/ flange outlet, outlet seal gasket		Fabricated SST w/ flange outlet, wrap-around gasket		Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations
Items (Continued)	Restraint Systems	Ductile Iron	Field Tie-Ins & Cuts (for Valves and MJ fittings)	No Limit		Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36"									
				Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100 Series												
				Yes	Yes	-	Yes	-	EBAA Iron Company	1600TD	4" to 12"											
				Yes	Yes	-	Yes	-	Romac Industries	Grip Ring												
				Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip (3000) Series												
				Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	UFR 1400 Series												
				Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE Series												
				-	-	-	-	-														
				No Limit		Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	UFR 1350 Series	4" to 12"									
				Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	UFR 1390 Series	4" to 12"											
	Yes	Yes	-	Yes	-	EBAA Iron Company	1600 (& 1600TD) Series	4" to 12"														
	Yes	Yes	-	Yes	-	JCM Industries	JCM 620	4" to 12"														
	Yes	Yes	-	Yes	-	Sigma	PV-Lok PWP Series	2" to 48"														
	-	-	-	-	-																	
	Piping Items (Continued)	Fitting Type Items	Tapping Sleeve	Less Than Size-On Size Taps	Iron with MJ ends & flange outlet	No Limit		Yes	Yes	-	Yes	-	American Flow Control	Series 2800	4"-16" (For Use on DI & CI)							
						Yes	Yes	-	Yes	-	American Flow Control	Series 1004	14"-36" (For use on DI & CI)									
						Yes	Yes	-	Yes	-	Mueller Co.	H-615	4"-24", 4"-12" for PVC (For Use on PVC, DI, & CI)									
						Yes	Yes	-	Yes	-	Tyler/Union		6"-12" (For use on DI & CI)									
						Yes	Yes	-	Yes	-	Mueller Co.	H-304SS	4"-12" (For Use on PVC, AC, DI & CI)									
						Yes	Yes	-	Yes	-	JCM Industries	432	4"-12" (For Use on PVC, AC, DI & CI)									
Yes						Yes	-	Yes	-	Cascade	CST-EX	4"-12" (For Use on PVC, AC, DI & CI)										
Yes						Yes	-	Yes	-	Smith-Blair (Sensus)	622	4"-30" (For Use on PVC, DI, & CI)										
Yes						Yes	-	Yes	-	JCM Industries	412 ESS	6"-30" (For Use on PVC, DI, & CI)										
Yes						Yes	-	Yes	-	Ford Meter Box Company INC	FTSC	4"-30" (For Use on PVC, DI, & CI)										
-	-	-	-	-																		



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Hillsborough County Public Utilities Department (HC-PUD)
Approved Products & Materials



			 Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations	
				Yes	Yes	-	Yes	-				
Piping	Joint	PVC - Ductile Iron (MJ)	No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	UFR 1300 Series	4" to 12"	
				Yes	Yes	-	Yes	-	EBAA Iron Company	2000 PV	4" to 36"	
				Yes	Yes	-	Yes	-	EBAA Iron Company	1600TD	4" to 12"	
				Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"	
				Yes	Yes	-	Yes	-	Romac Industries	Grip Ring	4" to 12"	
				Yes	Yes	-	Yes	-	Sigma	PV-Lok PWM Series	2" to 48"	
				Yes	Yes	-	Yes	-	Sigma	One-Lock SLCE Series		
				Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	UFR 1500 Series		
				Yes	Yes	-	Yes	-	Star Pipe Products	4000 Series		
				-	-	-	-	-				
Submersible Pumps	Non-Clog Type		3	-	-	-	-	Yes	Hydromatic		Rejected Models: S4P	
				-	-	-	-	Yes	Flygt	(All Pumps Approved)		
				-	-	-	-	Yes				
	Grinder Pumps		2	-	-	-	-	Yes	ABS	Piranha		
-				-	-	-	Yes	Flygt	M3000 Series			
Valves	Air-Release and Combination Air Valves		No Limit	Yes	Yes	-	-	-	Crispin Multiplex Manufacturing	PL 20	Air-Release Valve.	
				Yes	Yes	-	-	-	Valmatic	45	Air-Release Valve.	
				Yes	Yes	-	-	-	A.R.I. Flow Control	D-040	Combination Air Valve.	
				-	-	-	Yes	-	Val-Matic	48ASV-HC	Air-Release Valve. CI body, fusion bonded epoxy coated interior and exterior, SST hardware and trim.	
				-	-	-	Yes	-	A.R.I. Flow Control	D-025	Combination Air Valve. Vacuum check valve required (D-025-POW) unless a major vacuum condition exists and is specified by the design engineer via a design exception. Reinforced Nylon body, SST Hardware and trim.	
				-	-	-	-	-				
	Ball Valves Ball stem and Body shall be 316 Stainless Steel, non-lubricated free-floating ball type, full port. Handle, nuts and washers shall be 300 series Stainless Steel			No Limit	-	-	-	-	Yes	Jamesbury Corporation (Metso Automation)	Eliminator Series	Full Port Female IP (NPT) Inlet and Outlet Pump Stations: For discharge piping gauge port isolation Approved up to 1/2".
					-	-	-	Yes	Yes	FNW	Figure 220	Full port Female IP (NPT) Inlet and Outlet Pump stations: For discharge piping gauge port isolation Force mains: For ARV isolation and/or pressure release Typically 1" and 2"
					-	-	-	-	Yes	Jamesbury Corporation (Metso Automation)	Full Bore Series 9000	Full port, ANSI Class 150 Flanged Grinder Pump Stations: For discharge piping isolation Typically 2"
					-	-	-	-	-			

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Hillsborough County Public Utilities Department (HC-PUD)
Approved Products & Materials

			 Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations
				Yes	Yes	-	-	Yes			
Valves (continued)	Check Valves (Metal & Resilient Hinge Arm)	2" & larger	No Limit	Yes	Yes	-	-	Yes	Kennedy Valve Company (McWane)/ M&H (McWane)	Style 1106LW (lever & weight)	2" to 12". Bronze to bronze seat.
				Yes	Yes	-	-	Yes	Kennedy Valve Company (McWane)/ M&H (McWane)	Style 106AW/ 159-02 (lever & weight)	14" and up. Resilient to bronze seat.
				Yes	Yes	-	-	Yes	American Flow Control	50-SC Series	8" to 14"
				-	-	-	-	Yes	Val-Matic	VM5XXA-HC	2"-36". XX represents size. HC represents stainless steel cover bolts, disc position indicator, and backflow actuator. Resilient hinge arm style.
				-	-	-	-	-			
	Gate Valves (Resilient Seated C509 & C515)	2" to 3"	No Limit	Yes	Yes	-	-	Yes	Mueller Co.	A-2360-6	Cast Iron, NRS, Flanged
				Yes	Yes	-	-	Yes	U.S. Pipe Company	A-USP0-6	Cast Iron, NRS, Flanged
				Yes	Yes	-	-	-	Mueller Co.	R-2360-6	Cast Iron, OS&Y, Flanged
				Yes	Yes	-	-	-	U.S. Pipe Company	R-USP0-6	Cast Iron, OS&Y, Flanged
				Yes	Yes	-	-	Yes	Mueller Co.	A-2360-8	Cast Iron, NRS, NPT
Yes				Yes	-	-	Yes	U.S. Pipe Company	A-USP0-8	Cast Iron, NRS, NPT	
Yes				Yes	-	-	-	Mueller Co.	R-2360-8	Cast Iron, OS&Y, NPT	
Yes				Yes	-	-	-	U.S. Pipe Company	R-USP0-8	Cast Iron, OS&Y, NPT	
-				Yes	-	-	Yes	Clow Valve Co. (McWane)	Model 2639 & 2640	Ductile or Cast Iron, NRS or OS&Y (No OS&Y at Pump Station) Not for potable water use, not NSF-61 listed.	
Yes				Yes	-	-	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)	


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		Optimal County Limit 	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations	
Valves (continued)	Gate Valves (Resilient Seated C509 & C515)	4" to 12"	No Limit	Yes	Yes	-	-	-	Mueller Co.	A-2360-20/ -23	Cast Iron, NRS, MJ
			Yes	Yes	-	-	-	U.S. Pipe Company	A-USP0-20/ -23	Cast Iron, NRS, MJ	
			Yes	Yes	-	-	Yes	Mueller Co.	A-2361-77	Ductile Iron, NRS, Aquagrip	
			-	-	-	-	Yes	Mueller Co.	A-2360-6	Cast Iron, NRS, Flanged	
			-	-	-	-	Yes	U.S. Pipe Company	A-USP0-6	Cast Iron, NRS, Flanged	
			Yes	Yes	-	-	-	Mueller Co.	R-2360-6	Cast Iron, OS&Y, Flanged	
			Yes	Yes	-	-	-	U.S. Pipe Company	R-USP0-6	Cast Iron, OS&Y, Flanged	
			Yes	Yes	-	-	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)	
			Yes	Yes	-	-	Yes	Kennedy Valve Company (McWane)		Ductile or Cast Iron, NRS or OS&Y (No OS&Y at pump station)	
			Yes	Yes	-	-	Yes	Clow Valve Co. (McWane)	Model 2639 & 2640	Ductile or Cast Iron, NRS or OS&Y (No OS&Y at Pump Station)	
			Yes	Yes	-	-	-	M&H Valve Co. (McWane)	4068	Cast Iron, OS&Y, Flanged	
			Yes	Yes	-	-	Yes	M&H Valve Co. (McWane)	4067	Cast Iron, NRS	
			-	-	-	-	-				
			14" & larger	No Limit	Yes	Yes	-	-	Yes	American Flow Control	2500 Series
	Yes	Yes		-	-	Yes	Clow Valve Co. (McWane)	Model 2638	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station).		
	Yes	Yes		-	-	-	Mueller Co.	R-2361-6	DI, OS&Y, Flanged, T304 SST hardware, EPDM disc/gaskets		
	Yes	Yes		-	-	-	U.S. Pipe Company	R-USP1-6	DI, OS&Y, Flanged, T304 SST hardware, EPDM disc/gaskets		
	Yes	Yes		-	-	-	Mueller Co.	A-2361-20/ -23	DI, NRS, MJ, T304 SST hardware, EPDM disc/gaskets		
	Yes	Yes		-	-	-	U.S. Pipe Company	A-USP1-20/ -23	DI, NRS, MJ, T304 SST hardware, EPDM disc/gaskets		
	-	-		-	-	Yes	Mueller Co.	A-2361-6	DI, NRS, Flanged, T304 SST hardware, EPDM disc/gaskets		
	-	-		-	-	Yes	U.S. Pipe Company	A-USP1-6	DI, NRS, Flanged, T304 SST hardware, EPDM disc/gaskets		
	-	-		-	-	-					
	-	-		-	-	-					
	Corporation Stops (Compression or Packed Joint)	No Limit	Yes	-	-	-	-	Ford Meter Box Company INC	FB 1700-7-NL	Ball--[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]	
		Yes	-	-	-	-	-	Mueller Co.	B20046N	Ball--[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]	
		Yes	Yes	-	-	-	-	Ford Meter Box Company INC	F-1100-X NL (Entire Line)	Plug--[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]	
		Yes	Yes	-	-	-	-	Ford Meter Box Company INC	FB-1100-X NL (Entire Line)	Ball--[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]	
		Yes	Yes	-	-	-	-	Mueller Co.	P15008N	Plug--[Male AWWA Taper Thread Inlet] x [CTS Tubing Outlet]	
		Yes	Yes	-	-	-	-	Mueller Co.	P25008N	Plug--[Male AWWA Taper Thread Inlet] x [CTS Tubing Outlet]	
		Yes	Yes	-	-	-	-	Mueller Co.	P15028N	Plug--[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]	
		Yes	Yes	-	-	-	-	Mueller Co.	P25028N	Plug--[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]	
		-	-	-	-	-					
		-	-	-	-	-					
Curb Stops	No Limit	Yes	Yes	-	-	-	Ford Meter Box Company INC	B41-XXXW-NL(Entire Line)	Ball--[CTS Tubing Inlet] x [Threaded Female IP Outlet]		
	-	-	-	-	-	-					
	-	-	-	-	-	-					





		Optimal County Limit 	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations	
			Yes	-	-	-	-				
Valves (continued)	Meter Valves	Single Service	No Limit	Yes	-	-	-	Ford Meter Box Company INC	B43-XXXW-NL (Entire Line)	Ball--[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]	
			-	Yes	-	-	-	Ford Meter Box Company INC	BRW 43-XXXW-NL (Entire Line)	Ball--[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]	
			Yes	Yes	-	-	-	Mueller Co.	P24350N	Plug--[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]	
		Angle Service	No Limit	Yes	Yes	-	-	-	Ford Meter Box Company INC	KV43-342W-NL	Key--[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
			-	-	-	-	-	-			
			-	-	-	-	-	-			
	Branched or Dual Service	No Limit	Yes	-	-	-	-	Ford Meter Box Company INC	Assembly: UV43-42W-NL	2 Key Angle Valve [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]	
			-	Yes	-	-	-	Ford Meter Box Company INC	Assembly: UVBRW43-42W	2 Key Angle Valve [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]	
			Yes	Yes	-	-	-	Mueller Co.	Must be ordered as Assembly Two H14265N One P15363N	(Installed Only as Assembly) 2 Key Angle Valves [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]	
	Plug Valves	3	Must have internal and external epoxy coating 10 mils minimum. Valves and gearing shall be rated for a minimum of 150 psi and shall provide drip-tight shut off with this pressure in either direction. 3"-12" round port, 14"-36" rectangular port area must equal 100% of pipe area. 304 stainless steel external hardware required. Inspectors may request packing slip to verify specifications on the job site. For wastewater, seat-end must face into the direction of predominant flow.	-	-	-	Yes	-	Milliken Valve Company	All Eccentric Plug Valves	
				-	-	-	Yes	-	Henry Pratt Company	Ballcentric Plug Valves	
				-	-	-	Yes	-	Dezurik	PEF	
-			-	-	-	-					
-			-	-	-	-					
-			-	-	-	-					



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Approved Products & Materials

			 Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations
				Yes	Yes	-	Yes	Yes			
Tapping Valves	4" to 12"	No Limit	Yes	Yes	-	Yes	Yes	M&H Valve Co. (McWane)	4751		
			Yes	Yes	-	Yes	Yes	Clow Valve Co. (McWane)	F-6114		
			Yes	Yes	-	Yes	Yes	Mueller Co.	T-2360-16		
			Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP0-16		
			Yes	Yes	-	Yes	Yes	American Flow Control	2500 Series		
	14" & larger	No Limit	Yes	Yes	-	Yes	Yes	American Flow Control	2500 Series		
			Yes	Yes	-	Yes	Yes	Clow Valve Co. (McWane)	F-6112		
			Yes	Yes	-	Yes	Yes	Mueller Co.	T-2361-16	16" not approved	
			Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP1-16	16" not approved	
			-	-	-	-	-				
Alternative Pipe Restraint	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior HCWRD Engineering Approval, Not for directional drill or above grade use) Review assembly instructions before use.		
		Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior HCWRD Engineering Approval, Not for directional drill, above grade requires special consideration) Review assembly instructions before use.		
		Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior HCWRD Engineering Approval, Not for directional drill or above grade use) Review assembly instructions before use.		
Compound Pressure Gauges Assembly	No Limit	-	-	-	-	Yes	Ashcroft (Gauge)	25-1009-SWL-02L-XGV-Specify Desired Pressure Range (Silicone Filled)	Must have Ashcroft Diaphragm Seal (50-310SS-02T-XCK) Silicone Filled. If a larger gauge is needed such as the 45, the type 100 diaphragm seal is required.		
		-	-	-	-	-					
		-	-	-	-	-					

Hillsborough County Public Utilities Department (HC-PUD)
Approved Products & Materials

		 Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name / Number	Important Notes and Stipulations
			Yes	-	-	-	-			
Miscellaneous	Automatic Flushing Systems Use only as requested by HC-PUD: Careful analysis of cross connection prevention, storm water system surcharge, grounding, and dechlorination requirements must be considered at each proposed site.		No Limit	Yes	-	-	-	Hydro-Guard	HG-1, HG-2, HG-5, and HG-6	Use air gap backflow prevention models. Notify fire department when HG-6 is in use.
	Wet Well Washer and Wastewater Conditioner		No Limit	-	-	-	Yes	Anue	EP-1300 Series	Grinder stations not included. Used only in special conditions. Requires HCWRD Engineering Approval.
	Potable Water Faucets		No Limit	Yes	-	-	-	Invensys Specialty Products	FP 35	Freeze Protection Valve
	Manhole Inserts	HDPE (Subdivisions & Off-Pavement)	No Limit	-	-	Yes	-	USSI	Inflow Defender	Structural ribbing, no vent, woven nylon handle, 304 SST hdwe, neoprene gasket
		304 SST (Collector & Arterial Roads)	No Limit	-	-	Yes	-	Contractor Specialties & Supply Co	No Flow In Flow	No vent, 304 SST handle and hdwe, neoprene gasket
			No Limit	-	-	Yes	-	Sealing Systems Incorporated (SSI)		No vent, 304 SST handle and hdwe, neoprene gasket
			No Limit	-	-	Yes	-	Inflow Systems, Inc.	Inflow Shield	No vent, 304 SST handle and hdwe, neoprene gasket

 All materials shall be PRC approved BEFORE the commencement of a bid. The HCWRD PRC reserves the right to remove products in the best interests of the County. HCWRD reserves the right to limit the number of approved manufacturers or any specific type of products for the purpose of minimizing inventory of parts, replacement components, and training requirements.