

 Hillsborough County		★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
Access Frames and Valve Boxes	Access Rings and Covers	No Limit	-	-	Yes	-	-	U.S. Foundry	USF 227-SP	"Year, Hillsborough County Florida, Sanitary Sewer" and Hillsborough County logo on cover (POR-15 Coating required when Force Main dumps 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.)
			-	-	Yes	-	-	East Jordan Iron Works (EJ)	1071A-LO (Cover) 1227Z (Ring)	"Year, Hillsborough County Florida, Sanitary Sewer" and Hillsborough County logo on cover (POR-15 Coating required when Force Main dumps into Gravity)
			-	-	-	-	-			
	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	Use approved <b>Manhole Frame and Cover Protective Paint</b> for Force Mains dumping into Gravity or for Wastewater ARV
			-	-	-	-	-			
	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
			-	-	-	-	-			
	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	-	-	-	-	Apollo Valves (Conbraco)	RPLF4A	1/2" - 2" (Required Specs: RPZ, ASSE 1013, AWWA C511, NSF-61)	
		Yes	-	-	-	-	Apollo Valves (Conbraco)	RP4A	2 1/2" - 12" (Required Specs: RPZ, ASSE 1013, AWWA C511, NSF-61)	
		Yes	-	-	-	-	Wilkins (Zurn)	975XL2	3/4" - 2" (Required Specs: RPZ, ASSE 1013, AWWA C511, NSF-61)	
		Yes	-	-	-	-	Wilkins (Zurn)	375	2" - 10" (Required specs: RPZ, Epoxy Coated DI, ASSE 1013, AWWA C511, NSF-61)	
		-	Yes	-	-	-	Ford Meter Box Company INC	HHS 31-323-NL	5/8" x 3/4" (Required specs: ASSE 1024, NSF-61) (ONLY for residential irrigation reclaim cross connection control)	
		-	-	-	-	-				
Casing Spacers	4	Yes	Yes	Yes	Yes	-	Cascade	CCS	Stainless Steel (8" to 48")	
		Yes	Yes	Yes	Yes	-	GPT Industries	C12 G2	8" width min. place every 6 to 8ft of linear pipe run	
		Yes	Yes	Yes	Yes	-	RACI Spacers North America		Sizes Greater than 33" require PUD Design Exception	
		-	-	-	-	-				

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.

 Hillsborough County		Optimal County Limit ★					Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
		POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)			
<b>Marking Tape</b> (4.5 mil Thickness & 2" Width minimum)	<b>No Limit</b>	Yes	-	-	-	-	Pro-Line Safety Products	Blue	
		-	-	-	Yes	-	Pro-Line Safety Products	Green	
		-	Yes	-	-	-	Pro-Line Safety Products	Purple	
		-	-	-	-	-			
<b>Flexible Wetwell &amp; Manhole to Pipe Connectors</b>	<b>No Limit</b>	-	-	Yes	-	-	A-Lok Products, Inc.	Z-Lok	
		-	-	Yes	-	-	NPC	Kor-N-Seal	
		-	-	Yes	-	-	Press Seal Gasket	PSX Direct Drive	
		-	-	-	-	-			

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



<b>Optimal County Limit</b> POTABLE WATER RECLAIMED WATER WASTEWATER (Gravity) WASTEWATER (Force Main) WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
---	--------------	----------------------------	----------------------------------

Fittings, Tapping Saddles & Service Saddles

<b>Directional Change Fittings</b>	<b>Ductile Iron (C110 &amp; C153)</b>	<b>No Limit</b>	Yes	Yes	-	Yes	Yes	U.S. Pipe Company		Sewer-- Aprvd Ceramic Epoxy needed
			Yes	Yes	-	Yes	Yes	Sigma / Russell Pipe Company		Sewer-- Aprvd Ceramic Epoxy needed
			Yes	Yes	-	Yes	Yes	American Ductile Iron Pipe Company		14" & Larger; Sewer--Ceramic Exoxy Interior
			Yes	Yes	-	Yes	Yes	Tyler/Union		Sewer-- Aprvd Ceramic Epoxy needed
			Yes	Yes	-	Yes	Yes	North American Cast Iron Products (NACIP)		Sewer-- Aprvd Ceramic Epoxy needed
			Yes	Yes	-	Yes	Yes	One-Bolt Inc.		Mfg Restraint included; Sewer-- Ceramic Epoxy Interior
			Yes	Yes	-	Yes	Yes	Star Pipe Products		Sewer-- Aprvd Ceramic Epoxy needed
			Yes	Yes	-	Yes	Yes	Serampore Industries Private Ltd. (SIP)		Sewer-- Aprvd Ceramic Epoxy needed
	<b>PVC for Laterals (SDR 26)</b>	<b>No Limit</b>	-	-	Yes	-	-	Harrington Corp (HARCO)		Approved thru 8"
			-	-	Yes	-	-	Multi Fittings Corp		Approved thru 8"
			-	-	Yes	-	-	National Pipe & Plastics Inc		4" to 15"
			-	-	Yes	-	-	Royal Building Products		
			-	-	Yes	-	-	GPK Products		
			-	-	-	-	-			
	<b>Service Saddles</b>	<b>No Limit</b>	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 Super FastTap	3"-6", For LPSS use only	
Yes			Yes	-	-	-	JCM Industries	406	Epoxy coat DI body, dual SS Straps	
-			Yes	-	-	-	Cascade	CNS2	Epoxy coat DI body, dual SS Straps	
-			-	-	-	-				
<b>Specialized Fitting Type Items</b>	<b>No Limit</b>	Yes	Yes	-	Yes	-	Infact Corporation	Foster Adapter	* Must have Epoxy coating (10 mills thickness) * Must be Pre-Approved for use in Wastewater	
		-	-	-	-	-				

**Hillsborough County Public Utilities Department (PUL)**  
**Approved Products & Materials**

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit ★
POTABLE WATER
RECLAIMED WATER
WASTEWATER (Gravity)
WASTEWATER (Force Main)
WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Fittings, Tapping Saddles & Service Saddles

**Tapping Sleeve**

**Less Than Size-On Size Taps**

Fabricated Carbon Steel (Epoxy Coated, SST hdwe, with flange outlet, outlet seal)	Fabricated SST (with flange outlet and wrap-around gasket)	Ductile Iron (MJ ends x Flange Outlet)

<b>No Limit</b>	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	Yes	Yes	-	Yes	-
	-	-	-	-	-

American Flow Control	Series 2800	4"-16" (For Use on DI & CI)
Mueller Co.	H-615	4"-24", 4"-12" for PVC (For Use on PVC, DI, & CI)
Tyler/Union		6"-12" (For use on DI & CI)
Mueller Co.	H-304SS	4"-12" (For Use on PVC, AC, DI & CI)
JCM Industries	432	4"-12" (For Use on PVC, AC, DI & CI)
Cascade	CST-EX	4"-12" (For Use on PVC, AC, DI & CI)
Smith-Blair (Sensus)	622	4"-30" (For Use on PVC, DI, & CI)
JCM Industries	412 ESS	6"-30" (For Use on PVC, DI, & CI)
Ford Meter Box Company INC	FTSC	4"-30" (For Use on PVC, DI, & CI)

**Hillsborough County Public Utilities Department (PUL)**  
**Approved Products & Materials**



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit 

POTABLE WATER

RECLAIMED WATER

WASTEWATER (Gravity)

WASTEWATER (Force Main)

WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

**Flow Meters**

With Double Check  
Backflow Meter

3/4"

No Limit

Yes

-

-

-

-

Neptune Technology Group

T10DC (Dual Check)

-

-

-

-

-

**Residential Service Meters**

5/8" X 3/4"

No Limit

Yes

Yes

-

-

-

Mueller Systems

430-IIS

Yes

Yes

-

-

-

Badger Meter Inc

Recordall Disk Series  
Model LP

Yes

Yes

-

-

-

Badger Meter Inc

Recordall Disk Series  
Model 25

Yes

Yes

-

-

-

Neptune Technology Group

T10

Yes

Yes

-

-

-

Sensus Metering Systems

SR11

Yes

Yes

-

-

-

Master Meter

BLMJ

-

-

-

-

-

1"

No Limit

Yes

Yes

-

-

-

Mueller Systems

452-IIS

Yes

Yes

-

-

-

Neptune Technology Group

T10

Yes

Yes

-

-

-

Sensus Metering Systems

SR11

Yes

Yes

-

-

-

Master Meter

BLMJ

-

-

-

-

-



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit

POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)
---------------	-----------------	----------------------	-------------------------	---------------------------

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Flow Meters

Small Commercial Service

1 1/2"

2"

No Limit

No Limit

Yes	Yes	-	-	-	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
Yes	Yes	-	-	-	Badger Meter Inc	Recordall Disk Series Model 120	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Mueller Systems	562 IIS	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Neptune Technology Group	T10	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
-	-	-	-	-			
Yes	Yes	-	-	-	Badger Meter INC	Recordall Disk Series Model 170	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Mueller Systems	572 IIS	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Neptune Technology Group	T10	(FL xFL)-->Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	(FL xFL)-->Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series Model 200	(FL xFL)-->Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	(FL xFL)-->Requires flange adapter to convert to FIPxFIP
Yes	Yes	-	-	-	Mueller Systems	MVR 160 (Turbine)	(FL x FL)--> Requires flange adapter to convert to FIPxFIP
-	-	-	-	-			

Hillsborough County Public Utilities Department (PUL)  
Approved Products & Materials



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit 

POTABLE WATER

RECLAIMED WATER

WASTEWATER (Gravity)

WASTEWATER (Force Main)

WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

**Flow Meters**

**Commercial or Industrial Service**

*PUD Requirement: ±2% Accuracy*

Size	Limit	Water Type					Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
		POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)			
3"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
		Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	
		-	-	-	-	-			
4"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
		Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	
		-	-	-	-	-			
6"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
		Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	
		-	-	-	-	-			
8"	No Limit	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	
		-	-	-	-	-			
10"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
		Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini T <sup>2</sup>	

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



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit

POTABLE WATER
RECLAIMED WATER
WASTEWATER (Gravity)
WASTEWATER (Force Main)
WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Flow Meters

Compound Service

Size	Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
1 1/2"	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	FLxFL requires flange adapter to convert to FIPxFIP
		-	-	-	-	-			
2"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Compound Series	Turbine x Disk (FL xFL)-->Requires flange adapter to convert to FIPxFIP
		-	-	-	-	-			
2"	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	(FL xFL)-->Requires flange adapter to convert to FIPxFIP
		-	-	-	-	-			
3"	No Limit	Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	
		Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Compound Series	
		-	-	-	-	-			
4"	No Limit	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Compound Series)	
		Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	
		-	-	-	-	-			
6"	No Limit	Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	
		Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	
		Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Compound Series	
		-	-	-	-	-			
8"	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	
		-	-	-	-	-			
		-	-	-	-	-			
10"	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C <sup>2</sup>	
		-	-	-	-	-			

Hillsborough County Public Utilities Department (PUL)  
Approved Products & Materials



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Optimal County Limit

POTABLE WATER

RECLAIMED WATER

WASTEWATER (Gravity)

WASTEWATER (Force Main)

WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Flow Meters

Fire Service

3"

No Limit

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSMA RecordAll

4"

No Limit

Yes

-

-

-

-

Sensus Metering Systems

Omini F<sup>2</sup>

Yes

-

-

-

-

Neptune Technology Group

HP Protectus III

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSMA RecordAll

6"

No Limit

Yes

-

-

-

-

Sensus Metering Systems

Omini F<sup>2</sup>

Yes

-

-

-

-

Neptune Technology Group

HP Protectus III

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSMA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA-DB RecordAll

6" x 1.5" Disk Series

8"

No Limit

Yes

-

-

-

-

Sensus Metering Systems

Omini F<sup>2</sup>

Potable-->Must be NSF-61 stamped and approved.

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSMA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA-DB RecordAll

Yes

-

-

-

-

Neptune Technology Group

HP Protectus III

10"

No Limit

Yes

-

-

-

-

Sensus Metering Systems

Omini F<sup>2</sup>

Yes

-

-

-

-

Neptune Technology Group

HP Protectus III

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSMA RecordAll

Yes

-

-

-

-

Badger Meter Inc (Fire Series)

FSAA

Hillsborough County Public Utilities Department (PUL)  
Approved Products & Materials



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------	--------------	----------------------------	----------------------------------

**Paints and Corrosion Systems**

<b>Interior Ceramic Epoxy Coatings</b> (For Ductile Iron Pipes and Fittings)  Required for all Sanitary sewer applications.	No Limit	-	-	Yes	Yes	Yes	Induron Protective Coatings	Protecto 401	Applied at 40 mils thick nominal by a certified applicator. See Induron website for special handling considerations.
		-	-	Yes	Yes	Yes	Permite Corporation	Permox-CTF	Applied at 40 mils thick nominal by a certified applicator. See Permite Corporation website for special handling considerations.
		-	-	-	-	-			
<b>Manhole Frame and Cover Protective Paint</b>	No Limit	-	-	Yes	-	-	POR-15, INC	Prime: Prep & Ready Finish: POR-15	
		-	-	-	-	-			
		-	-	-	-	-			
Painting Materials for Aerial or Above Grade Piping, Fittings, and Valves <i>(NACE Classified C5-1 Environment)</i> <i>(VOC ≤2.8 lbs/gal, Est. Service Life ≥ 5yrs)</i>	No Limit	Yes	Yes	-	Yes	Yes	Tnemec	(Primer) Typoxy Series 27WB (Finish) Endura Shield II 1074U (Ggloss)	
		Yes	Yes	-	Yes	Yes	Tnemec	(Primer) Typoxy Series 27WB (Finish) Endura-Shield 1075U (Semi-Gloss)	
		Yes	Yes	-	Yes	Yes	Sherwin-Williams	(Primer) Dura Plate 235 Multi-Purpose Epoxy (Finish) Waterbased Acrolon 100 Urethane	
		Yes	Yes	-	Yes	Yes	Sherwin-Williams	(Primer) Macropoxy 646-100 (Finish) Waterbased Acrolon 100 Urethane	
		Yes	Yes	-	Yes	Yes	International Paint	(Primer) Intercore 200 HS (Finish) Interthane 990 HS	
		-	-	-	-	-			

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.

Paints and Corrosion Systems



★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)
---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

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

							Manufacturer	Product	Associated Approved Applicators	
Corrosion Protection Systems (County Approved Stamp must be applied on all Installations)	New Applications	No Limit	-	-	Yes	-	Yes	IET Systems	IET System 3: Prime: DS-101 (min 5 mils dft) Intermediate: DS-301 (min 125 mils dft) Finish: DS-401 (min 5 mils dft)	* Credentials must be checked for all coating applicators.  * The applicator shall present current certification of training by the manufacturer in all aspects (technical and practical) of the corrosion protection system to the Engineer of Record (EOR) or the County Project Manager.  * All documentation must indicate the name of the crew leader, with at least five (5) years of experience in the usage of the specific corrosion protection system.  * When applicable for a project, training via manufacturer "shadowing" shall be mentioned in the documentation provided to the project manager or EOR."
			-	-	Yes	-	Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)	
			-	-	Yes	-	Yes	Raven Lining Systems	Primer: Raven 155 (min 8 mils dft) Finish: Raven 405 (min 125 mils dft)	
			-	-	Yes	-	Yes	Sauereisen	Intermediate: 210T (min 125 mils dft) Finish: 210G (min 20 mils dft)	
			-	-	Yes	-	Yes	Warren Environmental	Finish: 301-14 (min 100 mils dft)	
			-	-	Yes	-	Yes	Industrial Maintenance Group (IMG)	SC 3900 FUB: (min: 100-200 dft)	
	Rehabilitation Applications	No Limit	-	-	Yes	-	Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)	* Credentials must be checked for all coating applicators.  * The applicator shall present current certification of training by the manufacturer in all aspects (technical and practical) of the corrosion protection system to the Engineer of Record (EOR) or the County Project Manager.  * All documentation must indicate the name of the crew leader, with at least five (5) years of experience in the usage of the specific corrosion protection system.  * When applicable for a project, training via manufacturer "shadowing" shall be mentioned in the documentation provided to the project manager or EOR."
			-	-	Yes	-	Yes	IET Systems	IET System 3: Prime: DS-101 (min 5 mils dft) Intermediate: DS-301 (min 125 mils dft) Finish: DS-401 (min 5 mils dft)	
			-	-	Yes	-	Yes	Raven Lining Systems	Underlay: Raven 705CA (min 8 mils dft) Primer: Raven 155 (min 8 mils dft) Finish: Raven 405 (min 125 mils dft)	
			-	-	Yes	-	Yes	Sauereisen	Underlay: F-121 Intermediate: 210T (min 125 mils dft) Finish: 210G (min 20 mils dft)	
			-	-	Yes	-	Yes	Warren Environmental	Intermediate: 301-18 (min 500 mils dft) Finish: 301-14 (min 100 mils dft)	
			-	-	Yes	-	Yes	Industrial Maintenance Group (IMG)	Underlay: 40 mils cementitious (typ) Finish: SC 3900 FUB (120 mils)	

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



 Hillsborough County		★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
<b>Pipe &amp; Pumps</b>	<b>Ductile Iron Pipe</b> <i>(Ceramic Epoxy Coating is required for Sanitary Sewer Applications)</i>	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.
			-	-	-	-	-			
	With Mfg Restrained Joint	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Joint	
			Yes	Yes	-	Yes	-	McWane Inc. - Ductile Iron Pipe Group	TR Flex Joint	
			Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Flex Ring	4" to 42"
			-	-	-	-	-			
			-	-	-	-	-			
			-	-	-	-	-			

**Hillsborough County Public Utilities Department**  
**Approved Products & Materials**

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



 <b>Hillsborough County</b>	★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
---	---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------	--------------	----------------------------	----------------------------------

**Pipe & Pumps**

**PVC Pipe (Approved DR in Technical Specifications)**

<b>PVC Pipe (Approved DR in Technical Specifications)</b>	2" or 3" (AWWA 2241)	No Limit	-	Yes	-	-	-	Diamond Plastics Corporation		
			-	Yes	-	-	-	National Pipe & Plastics Inc		
			-	Yes	-	-	-	North American Pipe		
			-	-	-	-	-			
	4" to 12" (AWWA C900 & C909)	No Limit	Yes	Yes	Yes	Yes	-	Diamond Plastics Corporation	AWWA C900	
			Yes	Yes	Yes	Yes	-	JM Eagle	AWWA C900 & C909	
			Yes	Yes	Yes	Yes	-	National Pipe & Plastics Inc	AWWA C900	
			Yes	Yes	Yes	Yes	-	North American Pipe	AWWA C900	
			-	-	-	-	-			
	4" to 12" (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 limit	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	-	North American Speciality Products	Certa-Lok C900 RJ	4"-12"
Yes			Yes	-	Yes	-	North American Speciality Products	Certa-Lok C900 RJIB	4"-12"	
Yes			Yes	-	Yes	-	Underground Solutions	Fusible C-900®, Fusible C-905®, Fusible PVC™ (FPVC™)	Approved 4"-30".	
-			-	-	-	-				
-			-	-	-	-				

**Hillsborough County Public Utilities Department  
Approved Products & Materials**

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



			★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations	
<b>Pipe &amp; Pumps</b>	<b>Polyethylene Pipe, 1" &amp; 2" (AWWA C901)</b>	<b>No Limit</b>	Yes	-	-	-	-	-	Performance Pipe (A Chevron Phillips Chemical Company)	DriscoPlex 5100 Ultra-Line	Black tube. Must have BLUE stripe for Potable Applications. PE4710 SDR 9	
			-	Yes	-	-	-	-	-	Performance Pipe (A Chevron Phillips Chemical Company)	DriscoPlex 5100 Ultra-Line	Black tube. Must have LAVENDER stripe for Reclaimed Applications. PE4710 SDR 9
			Yes	-	-	-	-	-	-	Endot	Endopure	PE 4710 SDR 9
			-	Yes	-	-	-	-	-	Endot	Endocore RWT	PE 4710 SDR 9
			Yes	-	-	-	-	-	-	Charter Plastics	Blue Ice CTS Tubing	PE 4710 SDR 9
			-	Yes	-	-	-	-	-	Charter Plastics	Lavender Ice CTS Tubing	PE 4710 SDR 9
			Yes	-	-	-	-	-	-	ADS	Polyflex CTS Tubing (Blue)	PE 4710 SDR 9
			-	Yes	-	-	-	-	-	ADS	Polyflex CTS Tubing (Lavender)	PE 4710 SDR 9
	Centrifugal Overhung Impeller Type Submersible Pumps	Low-Pressure (Light Duty) Applications	Grinder	2	-	-	-	-	-	Sulzer	ABS Piranha 09 /2D	
Pressurized Applications		NonClog	2	-	-	-	-	-	Xylem	Flygt		
									Pentair	Hydromatic	Rejected Models: H4Q, S4P	
		Chopper/Cutter	2	-	-	-	-	-	Xylem	Flygt		
									Pentair	Hydromatic		
Grinder	2	-	-	-	-	Yes	Xylem	Flygt				
						Yes	Sulzer	ABS Piranha PE 110-2				
						Yes		ABS Piranha PE 125-2				

**Hillsborough County Public Utilities Department  
Approved Products & Materials**

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.

Hillsborough County		★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations	
Pipe Restraints	PVC - DIP	MJ - Ring (Serration Style) 	No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-flange 1300	2" to 36"
			No Limit	Yes	Yes	-	Yes	-	Sigma	PV-Lok PWM	2" to 48"
			No Limit	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"
			No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1000	2" to 48"
		MJ - Gland (Wedge Action) 	No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	2000 PV	4" to 36"
			No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lock SLCE	
			No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-Flange 1500	
			No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	Stargrip 4000	
	No Limit		Yes	Yes	-	Yes	-	Romac Industries	GripRing		
	No Limit		Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLP		

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



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



★	Optimal County Limit
POTABLE WATER	RECLAIMED WATER
WASTEWATER (Gravity)	WASTEWATER (Force Main)
WASTEWATER (Pump Station)	

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Pipe Restraints

DIP - DIP

Ring - Ring	MJ - Ring (Serration Style)	MJ - Gland (Wedge Action)	Miscellaneous																																																																																																																																																																																																								
				No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	1600TD	4" to 12"	No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-flange 1390	4" to 12"	No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1100		No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	3100P		No Limit	Yes	Yes	-	Yes	-	Sigma	PV-Lok PWP		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDEH						No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1000						No Limit	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"	No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100		No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1400		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok D-SLDE		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE		No Limit	Yes	Yes	-	Yes	-	Romac Industries	GripRing		No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip 3000						No Limit	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD		No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.
				No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	1600TD	4" to 12"																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-flange 1390	4" to 12"																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1100																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	3100P																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Sigma	PV-Lok PWP																																																																																																																																																																																																
No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDEH																																																																																																																																																																																																				
				No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1000						No Limit	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"	No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100		No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1400		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok D-SLDE		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE		No Limit	Yes	Yes	-	Yes	-	Romac Industries	GripRing						No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip 3000						No Limit	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD		No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																						
				No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1000																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"					No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100		No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1400		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok D-SLDE		No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE		No Limit	Yes	Yes	-	Yes	-	Romac Industries	GripRing		No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip 3000						No Limit	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD						No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																															
				No Limit	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1400																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok D-SLDE																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Romac Industries	GripRing																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip 3000																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD		No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)	No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																										
				No Limit	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD																																																																																																																																																																																																
				No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	U.S. Pipe Company	Field Lok 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.					No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																																																																		
				No Limit	Yes	Yes	-	Yes	-	American Ductile Iron Pipe Company	Fast-Grip Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																																																																															
				No Limit	Yes	Yes	-	Yes	-	McWane Inc.	Sure Stop 350 Gasket	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.																																																																																																																																																																																															

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Hillsborough County

★ Optimal County Limit

POTABLE WATER

RECLAIMED WATER

WASTEWATER (Gravity)

WASTEWATER (Force Main)

WASTEWATER (Pump Station)

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

Pipe Restraints

PVC - PVC

Ring - Ring



No Limit

Yes

Yes

-

Yes

-

Ford Meter Box Company Inc.

Uniflange 1350

4" to 12"

Yes

Yes

-

Yes

-

Ford Meter Box Company Inc.

Uniflange 1390

4" to 12"

Yes

Yes

-

Yes

-

EBAA Iron Company

1600 (& 1600TD)

4" to 12"

Yes

Yes

-

Yes

-

JCM Industries

JCM 620

4" to 12"

Yes

Yes

-

Yes

-

Sigma

PV-Lok PWP

2" to 12"

Yes

Yes

-

Yes

-

Star Pipe Products

1100

Yes

Yes

-

Yes

-

Star Pipe Products

4100P

-

-

-

-

-

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



All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Surface and Vent Boxes		Hillsborough County Logo		★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
Water Meter Boxes	Single Service	Combo (Base & Lid)	No Limit	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-12-AF1HILLS	Potable-->Black
			No Limit	-	Yes	-	-	-	-	DFW Plastics, Inc	DFW37C5-12-AF5 HILLS	Reclaimed-->Pantone 522C
		Lids	No Limit	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-AF1HILLS	Potable-->Black
		No Limit	-	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-AF5-HILLS	Reclaimed-->Pantone 522C
		Base Boxes	No Limit	Yes	-	-	-	-	-	Carson Industries	MSCBCF 1118-12 FL HILLS	Potable-->Black
	Vent Box for Wastewater Force Main Air Release Valve	Combo (Box & Lid)	No Limit	-	-	-	-	Yes	-	DFW Plastics, Inc	DFW37C-12-AF1-SARV-HILLS	Black with lid lettering "Hillsborough County Sewer ARV"
			No Limit	-	-	-	-	-	-			
		Lids	No Limit	-	-	-	Yes	-	-	DFW Plastics, Inc	DFW37C-AF1-SARV-LID-HILLS	Black with lettering "Hillsborough County Sewer ARV"
		Base Boxes	No Limit	-	-	-	Yes	-	-	DFW Plastics, Inc	DFW37C-12-BODY	Wastewater-->Black
			No Limit	-	-	-	Yes	-	-	Carson Industries	MSCBCF 1118-12 FL HILLS	Wastewater-->Black
Water Meter Boxes	Combo (Base & Lid)	No Limit	-	-	-	-	-	-	DFW Plastics, Inc	DFW37C5-12-AF5 HILLS	Reclaimed-->Pantone 522C	
		No Limit	-	-	-	-	-	-				
	Lids	No Limit	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-AF1HILLS	Potable-->Black	
	No Limit	-	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-AF5-HILLS	Reclaimed-->Pantone 522C	
	Base Boxes	No Limit	Yes	-	-	-	-	-	Carson Industries	MSCBCF 1118-12 FL HILLS	Potable-->Black	
Water Meter Boxes	Base Boxes	No Limit	Yes	-	-	-	-	-	Carson Industries	MSCBCF 1118-12 FL HILLSR	Reclaimed-->Pantone 522C	
		No Limit	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C-12-BODY	Potable-->Black	
		No Limit	Yes	-	-	-	-	-	DFW Plastics, Inc	DFW37C5-12-BODY	Reclaimed-->Pantone 522C	

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.



Surface and Vent Boxes		Water Meter Boxes		Dual Service		Commercial Use		Optimal County Limit		Manufacturer	Part Name/ Model Number	Important Notes and Stipulations				
								★								
		Dual Service	Combo (Box & Lid)	No Limit	Yes	-	-	-	POTABLE WATER	DFW Plastics, Inc	DFW39C-12-AF1-HILLS	Potable-->Black				
				Lids	No Limit	-	Yes	-	-				RECLAIMED WATER			
			Base Boxes	No Limit	Yes	-	-	-	WASTEWATER (Gravity)				DFW Plastics, Inc	DFW39C5-12-AF5-HILLS	Reclaimed-->Pantone 522C	
					-	Yes	-	-	-							WASTEWATER (Force Main)
				Lids	No Limit	Yes	-	-	-				WASTEWATER (Pump Station)	DFW Plastics, Inc	DFW39C-AF1-LID-HILLS	Potable-->Black
						-	Yes	-	-				-			
		Commercial Use	Combo (Box & Lid)	No Limit	Yes	-	-	-	Carson Industries				MSCBCF 1416-12 FL HILLS	Potable-->Black		
					-	Yes	-	-							-	Reclaimed-->Pantone 522C
			Base Boxes	No Limit	Yes	-	-	-	DFW Plastics, Inc				DFW39C-12-BODY-HILLS	Potable-->Black		
					-	Yes	-	-							-	Reclaimed-->Pantone 522C
				Lids	No Limit	Yes	-	-	-				DFW Plastics, Inc	DFW1730-12-AF1-HILLS	Potable-->Black	
						-	Yes	-	-							-
		Base Boxes	No Limit	Yes	Yes	-	-	DFW Plastics, Inc	DFW1730-12-BODY-HILLS				Potable-->Black			
				-	Yes	-	-							-	Reclaimed --> Pantone 522C	

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

★ All materials shall be PRC approved BEFORE the commencement of a bid.  
 The PRC reserves the right to remove products in the best interests of the County.  
 The County 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.



★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)
---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

**Valves**

**Air-Release and Combination Air Valves**

No Limit

Yes	Yes	-	-	-
Yes	Yes	-	-	-
Yes	Yes	-	-	-
-	Yes	-	Yes	-
-	-	-	Yes	-
-	-	-	-	-
-	-	-	-	-

Crispin Multiplex Manufacturing  
Valmatic  
A.R.I. Flow Control  
H-Tec  
Val-Matic  
A.R.I. Flow Control

PL 20  
45  
D-040  
Model 986  
48ASV-HC  
D-025

Air-Release Valve.  
Air-Release Valve.  
Combination Air Valve.  
Air-Release Valve. CI body, fusion bonded epoxy coated interior and exterior, SST hardware and trim.  
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



No Limit

-	-	-	-	Yes
-	-	-	Yes	Yes
-	-	-	-	Yes
-	-	-	-	-

Jamesbury Corporation (Metso Automation)  
FNW  
Jamesbury Corporation (Metso Automation)

Eliminator Series  
Figure 220  
Full Bore Series 9000

Full Port Female IP (NPT) Inlet and Outlet  
**Pump Stations;** For discharge piping gauge port isolation  
Approved up to 1/2".  
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"  
Full port, ANSI Class 150 Flanged  
**Grinder Pump Stations:** For discharge piping isolation  
Typically 2"

**Check Valves**

2" & larger

Metal & Resilient Hinge Arm

No Limit

Yes	Yes	-	-	Yes
Yes	Yes	-	-	Yes
Yes	Yes	-	-	Yes

Kennedy Valve Company (McWane)/ M&H (McWane)  
Kennedy Valve Company (McWane)/ M&H (McWane)  
American Flow Control

Style 1106LW (lever & weight)  
Style 106AW/ 159-02 (lever & weight)  
50-SC Series

2" to 12". Bronze to bronze seat.  
14" and up. Resilient to bronze seat.  
8" to 14"

Flapper Disk

No Limit

-	-	-	-	Yes
-	-	-	-	Yes
-	-	-	-	Yes

Val-Matic  
GA Industries (North American Valve and Gate Group)

Series 500A  
5XXDG  
RF200-D

XX represents size  
Must have stainless steel cover bolts, disc position indicator, and backflow actuator. Resilient hinge arm style.  
Must have stainless steel cover bolts, disc position indicator, and backflow actuator.

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products if in the best interests of the County. The County 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.



★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)
---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------

Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
--------------	----------------------------	----------------------------------

**Valves**

**Gate Valves**  
(Resilient Seated C509 & C515)

Size	Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
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	-	-	Yes	Clow Valve Co. (McWane)	Model 2638, 2639 & 2640	Ductile or Cast Iron, NRS or OS&Y (No OS&Y at Pump Station)
		Yes	Yes	-	-	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)
-	-	-	-	-	-	-	-	-	
4" to 12"	No Limit	Yes	Yes	-	-	-	Mueller Co.	2360 Series	Cast Iron, NRS or OS&Y
		Yes	Yes	-	-	-	U.S. Pipe Company	USP0 Series	Cast Iron, NRS or OS&Y
		Yes	Yes	-	-	Yes	Mueller Co.	A-2361-77	Ductile Iron, NRS, (Aquagrip x Aquagrip) ★ Must have Restraint Bolts
		-	-	-	-	Yes	Mueller Co.	A-2360-6	Cast Iron, NRS, Flanged
		-	-	-	-	Yes	U.S. Pipe Company	A-USP0-6	Cast Iron, NRS, 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 2638	Ductile or Cast Iron, NRS or OS&Y (No OS&Y at Pump Station)
		Yes	Yes	-	-	Yes	Clow Valve Co. (McWane)	Model 2639	Ductile or Cast Iron, NRS or OS&Y (No OS&Y at Pump Station)
		Yes	Yes	-	-	Yes	Clow Valve Co. (McWane)	Model 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	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)
		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.	2361 Series	DI, NRS or OS&Y, T304 SST hardware, EPDM disc/gaskets ★ Larger than 36" is not NSF 61 Certified
		Yes	Yes	-	-	-	U.S. Pipe Company	USP1 Series	DI, NRS or OS&Y, T304 SST hardware, EPDM disc/gaskets ★ Larger than 36" is not NSF 61 Certified
		-	-	-	-	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
		-	-	-	-	-	-	-	-

**Hillsborough County Public Utilities Department (PUC)  
Approved Products & Materials**

★ All materials shall be PUC approved BEFORE the commencement of a bid. The County reserves the right to remove products if the best interests of the County. The County reserves the right to limit the number of approved manufacturers or any specific type of products for the purpose of maintaining inventory of parts replacement components and their requirements.



★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)
---------------------------	---------------	-----------------	----------------------	-------------------------	---------------------------

Manufacturer

Part Name/  
Model Number

Important Notes and Stipulations

**Valves**



**Curb Stops**

**Meter Valves**

Single Service

Angle Service

Branched or Dual Service

No Limit	Yes	-	-	-	-
	Yes	-	-	-	-
	Yes	Yes	-	-	-
	Yes	Yes	-	-	-
	Yes	Yes	-	-	-
	Yes	Yes	-	-	-
	Yes	Yes	-	-	-
	Yes	Yes	-	-	-
	-	-	-	-	-
	-	-	-	-	-
No Limit	Yes	Yes	-	-	-
	-	-	-	-	-
	-	-	-	-	-
No Limit	Yes	-	-	-	-
	-	Yes	-	-	-
	Yes	Yes	-	-	-
	-	-	-	-	-
No Limit	Yes	Yes	-	-	-
	-	-	-	-	-
No Limit	Yes	-	-	-	-
	-	Yes	-	-	-
	Yes	Yes	-	-	-
-	-	-	-	-	

Ford Meter Box Company INC	FB 1700-7-NL	Ball-[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]
Mueller Co.	B20046N	Ball-[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]
Ford Meter Box Company INC	F-1100-X NL (Entire Line)	Plug-[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
Ford Meter Box Company INC	FB-1100-X NL (Entire Line)	Ball-[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
Mueller Co.	P15008N	Plug-[Male AWWA Taper Thread Inlet] x [CTS Tubing Outlet]
Mueller Co.	P25008N	Plug-[Male AWWA Taper Thread Inlet] x [CTS Tubing Outlet]
Mueller Co.	P15028N	Plug-[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
Mueller Co.	P25028N	Plug-[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
Ford Meter Box Company INC	B41-XXXW-NL(Entire Line)	Ball-[CTS Tubing Inlet] x [Threaded Female IP Outlet]
Ford Meter Box Company INC	B43-XXXW-NL (Entire Line)	Ball-[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
Ford Meter Box Company INC	BRW 43-XXXW-NL (Entire Line)	Ball-[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
Mueller Co.	P24350N	Plug-[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
Ford Meter Box Company INC	KV43-342W-NL	Key-[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
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]
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]
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]

**Hillsborough County Public Utilities Department (PUC)  
Approved Products & Materials**

★ All materials shall be PUC approved BEFORE the commencement of a bid. The PUC reserves the right to remove products if in the best interests of the County. The County reserves the right to limit the number of approved manufacturers or any specific type of products for the purpose of maintaining inventory of parts replacement components and their requirements.

# Valves

## Plug Valves

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. For wastewater, seat-end must face into the direction of predominant flow. Inspectors may request packing slip to verify specifications on the job site.

No Limit		Optimal County Limit 
-	.	POTABLE WATER
-	.	RECLAIMED WATER
-	.	WASTEWATER (Gravity)
Yes	.	WASTEWATER (Force Main)
-	.	WASTEWATER (Pump Station)
-	.	Manufacturer
-	.	Part Name/ Model Number
-	.	Important Notes and Stipulations
-	.	Milliken Valve Company
-	.	All Eccentric Plug Valves
-	.	Henry Pratt Company
-	.	Ballcentric Plug Valves
-	.	Dezurik
-	.	PEF



# Hillsborough County Public Utilities Department (PUC) Approved Products & Materials



Optimal County Limit		★	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model 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 Series	
			Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP0 Series	
			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-6114	
			Yes	Yes	-	Yes	Yes	Mueller Co.	T-2361 Series	* 16" Not Approved (Cutter Specification) * Larger than 36" is not NSF 61 Certified
			Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP1 Series	* 16" Not Approved (Cutter Specification) * Larger than 36" is not NSF 61 Certified
			-	-	-	-	-			
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 (EcoBrass)	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 Valve & Hydrant Company (Mueller)	Metropolitan (M-94)	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.	
		-	-	-	-	-				

**Hillsborough County Public Utilities Department (PUC)**  
**Approved Products & Materials**

		★ Optimal County Limit	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
<b>Miscellaneous</b>	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.
	Automatic Meter Reader (AMR) Meter Register	3	Yes	Yes	-	-	-	Transparent Technologies (T <sup>2</sup> )	Innov8	
			Yes	Yes	-	-	-			
			Yes	Yes	-	-	-			
	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.
			-	-	-	-	-			
			-	-	-	-	-			
	<u>Automatic Flushing Systems</u> 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.	
		-	-	-	-	-				
		-	-	-	-	-				
Manhole Inserts	HDPE (Subdivisions & Off-Pavement)	No Limit	-	-	Yes	-	-	USSI	Inflow Defender	Structural ribbing, no vent, woven nylon handle, 304 SST hdwe, neoprene gasket
			-	-	-	-	-			
	-		-	Yes	-	-	Contractor Specialties & Supply Co	No Flow In Flow	No vent, 304 SST handle and hdwe, neoprene gasket	
	-		-	Yes	-	-	Sealing Systems Incorporated (SSI)		No vent, 304 SST handle and hdwe, neoprene gasket	
	-		-	Yes	-	-	Inflow Systems, Inc.	Inflow Shield	No vent, 304 SST handle and hdwe, neoprene gasket	
-	-	-	-	-						

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

★ All materials shall be PRC approved BEFORE the commencement of a bid. The PRC reserves the right to remove products in the best interests of the County. The County 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.