Hillsborough County Water Resources Department Appendix B: Pre-approved Products and Materials

	ST. 1834	Hillsborough County Florida	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		•	U.S. Foundry	USF 227-SQ	Model # 8015108 Specifies "Hillsborough County Florida, EST. 1834, Foundary, <u>SANITARY</u> " and Hillsborough County logo on cover (POR-15 Coating required for all wastewater service)	
			ij	Yes	Yes	1	Yes	-	U.S. Foundry	USF 227-AQ	Model 8015188 Specifies "Hillsborough County Florida, EST. 1834, Foundary, AIR RELEASE" and Hillsborough County logo on cover. (POR-15 coating required for sanitary sewer)	
		Access Rings and Covers	lo Limit	-	•	•	-	Yes	U.S. Foundry	USF 105-M	LPSS use only. "SANITARY SEWER" on cover. (POR-15 coating required.)	
es	and Valve Boxes		No Lir	No	-	-	Yes	1	-	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)
Frame	Valve			-	-	-	•	-				
		Manhole Cover and Cone	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.	
Access	Access Frames	Casting Grade Adjusting Rings	No L	Yes	Yes	Yes	Yes	-	U.S. Foundry	Type A: Steel Adjusting Rings	Use approved Manhole Frame and Cover Protective Paint for Force Mains dumping into Gravity or for Wastewater ARV	
Ž	seco		<u> </u>	- Yes	Yes	- Yes	- Yes	- Yes	Tyler / Union	6850 Series	Screw Type With Base and Lid	
	⋖	Valve Box and Cover	Limit		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	
			Š	Yes	Yes	Yes	Yes	Yes	Bingham & Taylor	Series 4905	Screw Type with Base, Stnd & Heavy Lid, Skirt and Risers	
				-	-	-	-	Yes	Halliday Products, Inc	Series S-R		
		Wetwell Access and Frames (Hinged on discharge piping side)	Ŷ	-	-	-	-	Yes	Water / Wastewater Systems, Inc.		Fabricated with water Dept. Approval	
		56 /		-	-	-	-	-				

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6.0	Hillsborough County Florida	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	-	-		-	Apollo Valves (Conbraco)	RPLF4A	½" - 2" (Required Specs: RPZ, ASSE 1013, AWWA C511, NSF-61)
			Yes	-	-	-	-	Apollo Valves (Conbraco)	RP4A	2½" - 10" (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)
	Date Date Control	ij	Yes	-	-	-	-	Wilkins (Zurn)	375	2" - 10" (Required specs: RPZ, Epoxy Coated DI, ASSE 1013, AWWA C511, NSF-61)
, Etc.		No Limit	Yes			-	-	Ford Meter Box Company INC	HHS 31-323-NL	5/6" x 3/4" (Required specs: ASSE 1024, NSF-61) (ONLY for Residential water service connections where there is an Auxiliary Water System, or contains another Potential Cross-connectionl)
Prevention,				Yes					A.Y. McDonald	7411-3JE-43
			Yes		-	-	•	A.Y. McDonald	7411-3JE-54	NL - 1" swivel nut less saddle x FNPT (Required specs: ASSE 1024, NSF-61) (ONLY for Residential water service connections where there is an Auxiliary Water System, or contains another Potential Cross-connection)
Backflow			Yes	Yes	Yes	Yes	•	Cascade	ccs	Stainless Steel (8" to 48")
¥	Casing Spacers	4								
ac			Yes	Yes	Yes	Yes	٠	RACI Spacers North America		Sizes Greater than 33" require PUD Design Exception
B	Marking Tape	Limit	Yes	-	-	-	-	Pro-Line Safety Products	Blue	
	Marking Tape (4.5 mil Thickness & 2" Width minimum)	ĮĒ	-	-	-	Yes		Pro-Line Safety Products	Green	
		Š	-	Yes	-	-		Pro-Line Safety Products	Purple	
		Ħ	-	-	Yes	-		A-Lok Products, Inc.	Z-Lok	
	Flexible Wetwell & Manhole to Pipe Connectors	im.	-	-	Yes	-	-	Trelleborg	Kor-N-Seal	
		1 9 N	-	-	Yes	-	-	Press Seal Gasket	PSX Direct Drive	
		_	-	-	-	-	-			

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				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. Note: MJ Sleeves are not approved for use.
	g		⊭	Yes	Yes	•	Yes	Yes	American Ductile Iron Pipe Company		14" & Larger; SewerCeramic Exoxy Interior
	ttin	Ductile Iron	No Limit	Yes	Yes	-	Yes	Yes	Tyler/Union		Sewer Aprvd Ceramic Epoxy needed
	Ε	(C110 & C153)	0	Yes	Yes	-	Yes	Yes	North American Cast Iron Products (NACIP)		Sewer Aprvd Ceramic Epoxy needed
es	hange			Yes	Yes	-	Yes	Yes	One-Bolt Inc.		Mfg Restraint included; Sewer Ceramic Epoxy Interior
add	Cha	Ductile Iron (C110 & C153) But titings PVC for Laterals		Yes	Yes	•	Yes	Yes	Star Pipe Products		Sewer Aprvd Ceramic Epoxy needed, Note: MJ Sleeves are not approved for use.
e Si	nal (Yes	Yes	•	Yes	Yes	Serampore Industries Private Ltd. (SIP)		Sewer Aprvd Ceramic Epoxy needed
Vic	tio			-	-	Yes	-	-	Harrington Corp (HARCO)		Approved thru 8"
Ser	rec	DVC for Laterala	Limit	-	-	Yes	•	-	Multi Fittings Corp		Approved thru 8"
∞ŏ	PVC for Laterals (SDR 26)		Ξ	-	-	Yes	•	-	National Pipe & Plastics Inc		4" to 15"
es		(SDI(20)	9 N	-	-	Yes	-	-	Westlake Pipe & Fittings Corp.		
ppg				-	-	Yes	-	-	GPK Products		
Se				Yes	Yes	-	-	-	Smith-Blair (Sensus)	313	Epoxy coat DI body, dual bale
ing				Yes	Yes	•	•	-	Ford Meter Box Company INC	F-202	E-coat DI body, dual bale
, Тарр	PVC for Laterals (SDR 26) Service Saddles Service Saddles		No Limit				Yes		Ford Meter Box Company INC	FS323-xxx-IP7-Q	4 to 12 inch pipe size Saddles, all stainless Steel components required for force main Air Release Valve Installations
sɓu				Yes	Yes	-	-	-	JCM Industries	402	Shop coat DI body, dual bale
崖			ž	-	-	-	Yes	-	Continental Industries INC	PVC Super FastTap	3"-6", For LPSS use only
L				Yes	Yes	-	-	-	JCM Industries	406	Epoxy coat DI body, dual SS Straps
				-	Yes	-	-	-	Cascade	CNS2	Epoxy coat DI body, dual SS Straps
			L	Yes	Yes	-	-		A.Y. McDonald	4826A	Epoxy coat DI body, dual straps
	Specialized Fitting Type Items				Yes	-	Yes	٠	Infact Corporation	Foster Adapter	* Must have Epoxy coating (10 mills thickness) * Must be Pre-Approved for use in Wastewater

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est	Hil Co	lsbo unt	orough Y Florida	Optimal County Limit ☆	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations				
les			s x utlet)		Yes	Yes	•	Yes	•	American Flow Control	Series 2800	4"-16" (For Use on DI & CI)				
Sadd			ctile I J end ge Ou		Yes	Yes	•	Yes	•	Mueller Co.	H-615	4"-24", 4"-12" for PVC (For Use on PVC, DI, & CI)				
ice (Taps	SST Ductile Iron ye (MJ ends x wap- Flange Outlet)				Yes	Yes	•	Yes	•	Tyler/Union		6"-12" (For use on DI & CI)		
erv	O	Ta	ST e rap- et)		Yes	Yes	•	Yes	•	Mueller Co.	H-304SS	4"-12" (For Use on PVC, AC, DI & CI)				
8 8 8	leeve	n Size	Fabricat (with fi outlet ar around (icated S ith flang it and w nd gask	Yes	Yes	•	Yes	•	JCM Industries	432	4"-12" (For Use on PVC, AC, DI & CI)				
Fittings, Tapping Saddles & Service Saddles	Tapping Sleeve	Size-On		No Limit	Yes	Yes		Yes	•	Cascade	CST-EX	4"-12" (For Use on PVC, AC, DI & CI)				
g S	арр	Than	eel Fet,		eel F		eel let,		Yes	Yes	-	Yes	•	Smith-Blair (Sensus)	622	4"-30" (For Use on PVC, DI, & CI)
appin	F	Less T	-002		Yes	Yes	-	Yes	-	JCM Industries	412 ESS	6"-30" (For Use on PVC, DI, & CI)				
Js, Ta				Yes	Yes	•	Yes	•	Ford Meter Box Company INC	FTSC	4"-30" (For Use on PVC, DI, & CI)					
Fitting			Fabricated (Epoxy C hdwe, with outlet se		-	•	-	1	•							

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	With Double Check	3/"	No Limit	Yes	-	-	-	-	Neptune Technology Group	T10DC (Dual Check)	
	Backflow Meter	m`	2	-		-	-	-			
				Yes	Yes	-	-	-			
ပ်	ø			Yes	Yes	-	-		Badger Meter Inc	Recordall Disk Series Model LP	
Meters	Residential Service Meters	3/4"	Limit	Yes	Yes	-	•	•	Badger Meter Inc	Recordall Disk Series Model 25	
Me	$\overline{\Theta}$	2%" ×	No L	Yes	Yes	-	-	-	Neptune Technology Group	T10	
-	e 3	ω,	_	Yes	Yes	-	-	-	Sensus Metering Systems	SRII	
Flow	ential S Meters				Yes	-	-	-	Master Meter	BLMJ	
Щ	<u>ĕ</u> ≥			- Yes	- Yes	H		-	Mueller Systems	452-IIS	
	Sic		ij		Yes				Neptune Technology Group	T10	
	Ö	-	Limit				-				
	Щ		9		Yes		-		Sensus Metering Systems	SRII	
				Yes	Yes	-	•	-	Master Meter	BLMJ	

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				Yes	Yes	-		-	Badger Meter Inc	Recordall Disk Series Model 120	(FL x FL)> Requires flange adapter to convert to FIPxFIP
	Ö			Yes	Yes	-	-	-	Mueller Systems	562 IIS	(FL x FL)> Requires flange adapter to convert to FIPxFIP
	Ξ	11/2"	Ξ	Yes		-	-	-	Master Meter	Octave Ultrasonic	
	ē		No Limit	Yes	Yes	•	-	-	Neptune Technology Group	T10	(FL x FL)> Requires flange adapter to convert to FIPxFIP
တ	<u>0</u>			Yes	Yes	-	•	-	Sensus Metering Systems	Omini T ²	(FL x FL)> Requires flange adapter to convert to FIPxFIP
ter	<u>a</u> .			-	-	•	•	•			
Meters	O O			Yes	Yes	•	•	-	Badger Meter INC	Recordall Disk Series Model 170	(FL x FL)> Requires flange adapter to convert to FIPxFIP
2	Ĕ			Yes	Yes	-	-	-	Mueller Systems	572 IIS	(FL x FL)> Requires flange adapter to convert to FIPxFIP
Flow	Ш		Ħ	Yes	Yes	-	-	-	Neptune Technology Group	T10	(FL xFL)>Requires flange adapter to convert to FIPxFIP
II.	Ö	2"	Limit	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	(FL xFL)>Requires flange adapter to convert to FIPxFIP
	Small Commercial Service	7	No Lii	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 ²	(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
				Yes		-	-	-	Master Meter	Octave Ultrasonic	

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			<u>+</u>	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
		3"	<u>=</u>	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
	Ö	(.)	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini T ²	
	Ξ̈́			Yes		-	-	-	Master Meter	Octave Ultrasonic	
	e.		٠.	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
	<u>()</u>	4	No Limit	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
(0)	П. гасу	7	9	Yes	Yes	-	-	-	Sensus Metering Systems	Omini T ²	
ers	i st i			Yes		-	-	-	Master Meter	Octave Ultrasonic	
Flow Meters	cial or Industria PUD Requirement: ±2% Accuracy		<u> </u>	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
Σ	D	9	Limit	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
	OC		%	Yes	Yes	-	-	-	Sensus Metering Systems	Omini T ²	
끝	2 Rec			Yes		-	-	-	Master Meter	Octave Ultrasonic	
			l ii	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
	Jer	∞	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini T ²	
	Commercial or Industrial Service		ž	Yes		-	-	-	Master Meter	Octave Ultrasonic	
	O			Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Turbo Series	
	O	10"	<u> </u>	Yes	Yes	-	-	-	Neptune Technology Group	HP Turbine	
		7	No Limit	Yes		-	-	-	Master Meter	Octave Ultrasonic	
				Yes	Yes	-	-	-	Sensus Metering Systems	Omini T ²	

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		11/2"	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C ²	FLxFL requires flange adapter to convert to FIPxFIP
		1,	No I	Yes		•	-	-	Master Meter	Octave Ultrasonic	
			nit	Yes	Yes	•	•	•	Badger Meter Inc	RecordAll-Compound Series	Turbine x Disk (FL xFL)>Requires flange adapter to convert to FIPxFIP
	Þ	2	No Limit	Yes	Yes	•	•	-	Sensus Metering Systems	Omini C ²	(FL xFL)>Requires flange adapter to convert to FIPxFIP
	al al		ž	Yes		•	•	-	Master Meter	Octave Ultrasonic	
	lrove		t	Yes	Yes	•	-	-	Neptune Technology Group	Tru/Flo Compound	
	Service e NSF-61 app stic service.	 3	No Limit	Yes	Yes	-	•	-	Sensus Metering Systems	Omini C ²	
S	rVj F-61 iervi	(*)	9	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Compound Series	
er	O O B NS tic s			Yes		-	-	-	Master Meter	Octave Ultrasonic	
Flow Meters	d o		± ±	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll (Compound Series)	
2	Sompound pound sound used only for dom	<u> 4</u>	No Limit	Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	
	OU ters ly fo		2 2	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C ²	
	d u			Yes		-	-	-	Master Meter	Octave Ultrasonic	
	OD und sed		l ⊭	Yes	Yes	-	-	-	Neptune Technology Group	Tru/Flo Compound	
	<u>ن</u> ۾ ۾	9	No Limit	Yes	Yes	-	-	-	Sensus Metering Systems	Omini C ²	
	CO	These compound meters shall be NSF-61 approved and used only for domestic service.	Š	Yes	Yes	-	-	-	Badger Meter Inc	RecordAll-Compound Series	
	ese		-	Yes	V	-	-		Master Meter	Octave Ultrasonic	
	F	<u>.</u>	Ē	Yes	Yes	-	-		Sensus Metering Systems	Omini C ²	
		00	No Limit	Yes		-	-	-	Master Meter	Octave Ultrasonic	
				Vac	- V	-	-	-	Sangua Mataring Suata-	Omini C ²	
		10	lo Limit	Yes	Yes	-	•		Sensus Metering Systems Master Meter	Octave Ultrasonic	
		_		-	prod	eti	ll not	bo giv	en or considered as part of an a	,	

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			Limit	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSMA RecordAll	
	ice.	"C	No Li	-	-	-	-	-			
	serv		Ž	Yes		-	-	-	Master Meter	Octave Ultrasonic	
	tic ;			Yes	-	-	-	-	Sensus Metering Systems	Omini F ²	
	mes	_	Limit	Yes	-	-	-	-	Neptune Technology Group	HP Protectus III	
	ОР	.4	%	Yes Yes	-	-	-	-	Badger Meter Inc (Fire Series) Badger Meter Inc (Fire Series)	FSAA RecordAll FSMA RecordAll	
	and		Z	Yes	-			-	Master Meter	Octave Ultrasonic	
	fire			Yes	-	÷	÷		Sensus Metering Systems	Omini F ²	
S	ed. of of			Yes	-		-	-	Neptune Technology Group	HP Protectus III	
er	7iC Progration		<u>E</u>	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSAA RecordAll	
et	Service SF-61 approve combination o	.9	No Limit	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSMA RecordAll	
Σ	S. F. 6.		Z	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSAA-DB RecordAll	6" x 1.5" Disk Series
>	O N Sor			Yes		•	•	-	Master Meter	Octave Ultrasonic	
Flow Meters	Fire Service FM and NSF-61 approved. Compound meters may be used for combination of fire and domestic service.			Yes	-	-	-	-	Sensus Metering Systems	Omini F ²	Potable>Must be NSF-61 stamped and approved.
ш	H _M		<u>=</u>	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSMA RecordAll	
	y be	- - -	No Limit	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSAA RecordAll	
	ша	~	9	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSAA-DB RecordAll	
	ters			Yes	-	-	-	-	Neptune Technology Group	HP Protectus III	
	me			Yes		-	-	-	Master Meter	Octave Ultrasonic	
	Pur		L	Yes	-	-	-	•	Sensus Metering Systems	Omini F ²	
	lodi	<u> </u>	Limit	Yes	-	-	-	-	Neptune Technology Group	HP Protectus III	
	Com	10"	No L	Yes	-	-	-	-	Badger Meter Inc (Fire Series)	FSMA RecordAll	
			Ž	Yes	-	-	-	•	Badger Meter Inc (Fire Series)	FSAA	
				Yes		-	-	•	Master Meter	Octave Ultrasonic	

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EST	Hill Col	Isborough unty Florida	Optimal County Limit 🌣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations		
		Ceramic Epoxy	Limit	- 1	•	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.		
sw	Required fo	ctile Iron Pipes and Fittings)		-		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.		
<u>a</u>		equired for all Sanitary sewer applications.		-	-	-	-	-					
Systems	Manhole F	applications. Manhole Frame and Cover Protective Paint				Yes		•	POR-15, INC	Prime: Prep & Ready Finish: POR-15			
	Prote	ective Paint	NoL	-	-	-	-	-					
rrosi	alves t) yrs)			Yes	Yes	<u>-</u> -	Yes	Yes	Tnemec	(Primer) Typoxy Series 27WB (Finish) Endura Shield II 1074U (Ggloss)			
Co	Nerial or s, and Va ironmen e Life ≥ 5	Primer)		Yes	Yes	-	Yes	Yes	Tnemec	(Primer) Typoxy Series 27WB (Finish) Endura-Shield 1075U (Semi-Gloss)			
ts and	Painting Materials for Aerial or Above Grade Piping, Fittings, and Valves (NACE Classified C5-l Environment) (VOC ≤2.8 lbs/gal, Est. Service Life ≥ 5yrs) Additional to the service Life ≥ 5yrs) (Rust Inhibitive Field Primer) & (Exterior Finish)	ive Field F & ior Finish	No Limit	No Limit) Limit	Yes	Yes	-	Yes	Yes	Sherwin-Williams	(Primer) Dura Plate 235 Multi-Purpose Epoxy (Finish) Waterbased Acrolon 100 Urethane	
Pain		Inhibitive & (Exterior			Yes	Yes	-	Yes	Yes	Sherwin-Williams	(Primer) Macropoxy 646-100 (Finish) Waterbased Acrolon 100 Urethane		
	Paintii we Grac NACE C	(Rust		Yes	Yes	-	Yes	Yes	International Paint	(Primer) Intercure 200 HS (Finish) Interthane 990 HS			
	Abov.			-	-	-	-	•					

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					<u>, , </u>	, , , ,	· • · · ·		· · · · app· · · · · ·	TOUUCIS and Materials	
E5T, 38	Hillsbo County	orough y Florida	Optimal County Limit 🌣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
tems	ms applied on			-		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)	
S	ems app			-	-	Yes		Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)	* Credentials must be checked for all coating applicators.
S	Syste st be			-	-	Yes	-	Yes	Raven Lining Systems	Primer: Raven 155 (min 8 mils dft) Finish: Raven 405 (min 125 mils dft)	* The applicator shall present current certification of training by
osio	ction Sy np must lations)	New	Limit	-		Yes		Yes	Sauereisen	Intermediate: 210T (min 125 mils dft) Finish: 210G (min 20 mils dft)	the manufacturer in all aspects (technical and practical) of the corrosion protection system to the Engineer of Record (EOR) or the County Project Manager.
Corr	Protection S d Stamp must Installations)	Applications	No L	-		Yes		Yes	Warren Environmental	Finish: 301-14 (min 100 mils dft)	* 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.
Paints and Corrosion Systems	Corrosion Protection Systems (County Approved Stamp must be app all Installations)			-	-	Yes	-	Yes	Industrial Maintenance Group (IMG)	SC 3900 FUB: (min: 100-200 dft)	* When applicable for a project, training via manufacturer "shadowing" shall be mentioned in the documentation provided to the project manager or EOR."
aints	Cc ounty A					Yes		Yes	Sprayroq, LLC.	SprayWall: New construction minimum is 125 mils for corrosion barriers. For structural applications minimum thickness is 250 mils.	
Δ	၁)			-	-	-	-	Yes	Vortex Sevices-Applicator	Quadrex-GeoKrete - 0.5 inch to new	

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					, ,	•	W17		r ro approvou r	TOUUCIS and Materials		
E5T. 36	Hillsbo County	orough y Florida	Optimal County Limit 🌣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations	
S	on			-	-	Yes	-	Yes	CCI Spectrum Incorporated	SpectraShield (min 500 mils dft)		
Paints and Corrosion Systems	olied			-	-	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)		
on Sy	yste t be				-	-	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)	* 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
rosi	Protection S d Stamp mus Installations)	Rehabilitation	Limit	-	-	Yes	•	Yes	Sauereisen	Underlay: F-121 Intermediate: 210T (min 125 mils dft) Finish: 210G (min 20 mils dft)	corrosion protection system to the Engineer of Record (EOR) or the County Project Manager.	
Cor	n Prot ed Sta I Insta	Applications	N	-	-	Yes	-	Yes	Warren Environmental	Intermediate: 301-18 (min 500 mils dft) Finish: 301-14 (min 100 mils dft)	* 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.	
pu	osion orove all			-	-	Yes	-	Yes	Industrial Maintenance Group (IMG)	Underlay: 40 mils cementitious (typ) Finish: SC 3900 FUB (120 mils)	* When applicable for a project, training via manufacturer "shadowing" shall be mentioned in the documentation provided	
ints a	Corrosion I (County Approved					Yes		Yes	Sprayroq, LLC.	SprayWall: Existing construction minimum is 125 mils for corrosion barriers. For structural applications minimum thickness is 250 mils.	to the project manager or EOR."	
Pai	no))			-	-	Yes	-	Yes	Vortex Services Applicator	Quadrex-GeoKrete - 1-inch thickness to structural Restoration		

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EST	Hil Co	Isborough unty Florida	Optimal County Limit ⇔	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
	required ations)		it	Yes	Yes	•	Yes	Yes	U.S. Pipe Company		Push-On gasket Tyton.
SC	e requ	Push-On, Flanged, and Mech Joint	Limit	Yes	Yes	•	Yes	Yes	American Ductile Iron Pipe Company		Push-On gasket Fastite.
Pumps	Iron Pipe Coating is require wer Applications)	(4" & up)	No	Yes	Yes	•	Yes	Yes	McWane Inc Ductile Iron Pipe Group		Push-On gasket Tyton / Fastite.
Pu	Iron Pi Coating wer App.			-	-	•	•	-			
જ	t ile I oxy C	JOINL	ţ	Yes	Yes	-	Yes	-	U.S. Pipe Company	TR Flex Joint	
Pipe	Ductile Iron amic Epoxy Coat Sanitary Sewer		Limit	Yes	Yes	-	Yes	-	McWane Inc Ductile Iron Pipe Group	TR Flex Joint	
Ф	Ceramic for Sanı		No I	Yes	Yes	•	Yes	-	American Ductile Iron Pipe Company	Flex Ring	4" to 42"
	(Cera for			-	•	•	-	-			

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EST.	Hil Co	lsborough unty Florida	Optimal County Limit 🜣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
			ıit	-	Yes	-	-	-	Diamond Plastics Corporation		
		2" or 3"	Limit	-	Yes	-	-	-	National Pipe & Plastics Inc		
		(AWWA 2241)	l oN	-	Yes	-	-		Westlake Pipe & Fittings Corp. (North American Pipe Corp.)		
				-		•	•	٠			
			ļ	Yes	Yes	Yes	Yes	٠	Diamond Plastics Corporation	AWWA C900	
		4" to 12"	Limit	Yes	Yes	Yes	Yes	-	JM Eagle	AWWA C900	
	((AWWA C900)		Yes	Yes	Yes	Yes	•	National Pipe & Plastics Inc	AWWA C900	
	PVC Pipe Approved DR in Technical Specifications)		8 N	Yes	Yes	Yes	Yes		Westlake Pipe & Fittings Corp. (North American Pipe Corp.)	AWWA C900	
SC	ecific			-	-	Yes		-	Diamond Plastics Corporation		
	Spe		nit	-	-	Yes	•	-	JM Eagle	Gravity Sewer Pipe	
Pumps	Pipe chnical S	4" to 12" (ASTM D 3034)	Limit	-	-	Yes	-	-	National Pipe & Plastics Inc	Plastic Sewer Main (PSM) Pipe	
∞ర	PVC P	(ASTM D 3034)	No	-	-	Yes	-	-	Westlake Pipe & Fittings Corp. (North American Pipe Corp.)		
96	و آ			-	-	-	-	÷			
Pipe	ved D	14" and Above	nit	Yes	Yes	Yes	Yes	-	JM Eagle	Big Blue	Specify appropriate pipe color for service.
	Appro	AWWA C900 (Public Utilities Department	No limit	Yes	Yes	Yes	Yes	٠	Diamond Plastics Corporation	Trans 21	Specify appropriate pipe color for service.
	•	Design Execption Required)	Ž	Yes	Yes	Yes	Yes	-	Westlake Pipe & Fittings Corp. (North American Pipe Corp.)		Specify appropriate pipe color for service.
		With Mfg Restrained		Yes	Yes	-	Yes	-	Westlake Pipe & Fittings Corp. (North American Speciality Products)	Certa-Lok C900 RJ	4"-12"
			Limit	Yes	Yes	-	Yes	-	Westlake Pipe & Fittings Corp. (North American Speciality Products)	Certa-Lok C900 RJIB	4"-12"
	With Mfg Restrained Joint	No L	Yes	Yes	-	Yes	-	Underground Solutions	Fusible C-900®, Fusible PVC™ (FPVC™)	Approved 4"-30".	
				Yes	Yes	-	Yes	-	Underground Solutions	TerraBrute CR C-900	4" to 12", *Requires Design Exception to collect information.

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					Yes	•	1	1	•	Performance Pipe (A Chevron Phillips Chemical Company)	DriscoPlex 5100 Ultra-Line	Black tube. Must have BLUE stripe for Potable Applications. PE4710 SDR 9
	Polyethyle	no Pir	ne 1" & 2"	Limit	-	Yes	•		•	Performance Pipe (A Chevron Phillips Chemical Company)	DriscoPlex 5100 Ultra-Line	Black tube. Must have LAVENDER stripe for Reclaimed Applications. PE4710 SDR 9
	/ ANA		C901)	Ξ	Yes	-		-	-	Endot	Endopure	PE 4710 SDR 9
	(AVV	AWWA C901)		N _o	-	Yes	-	-	-	Endot	Endocore RWT	PE 4710 SDR 9
				_	Yes	-	٠	•	-	Charter Plastics	Blue Ice CTS Tubing	PE 4710 SDR 9
(0					-	Yes	-	•	-	Charter Plastics	Lavender Ice CTS Tubing	PE 4710 SDR 9
ğ					Yes	-	•	•	-	ADS	Polyflex CTS Tubing (Blue)	PE 4710 SDR 9
					-	Yes	-	-	-	ADS	Polyflex CTS Tubing (Lavender)	PE 4710 SDR 9
oe & Pumps	ype	Low-Pressure (Light Duty) Applications Duble		2	-	•	-	-	Yes	Sulzer	ABS Piranha 09 /2D	
Pipe	gal eller T Pump				-	-	-	-	-	Xylem	Flygt	>60 gpm peak design flow
	ntrifu y Impersible	Centrifugal Overhung Impeller Type Submersible Pumps Pressurized Applications Cuight Applications Cuight Applications Cuight Applications Cuight Applications Cuight Applications Cuight Applications Choose A	NonClog	7	-	-	-	-	-	Pentair	Hydromatic	>60 gpm peak design flow, S4T requires ≥ 8-ft wetwell and oversized hatch. Rejected Models: H4Q, S4P
	Ce Inç		Channar/Cutter	2	-	-	-	-		Xylem	Flygt	
	, rhu lbn		Chopper/Cutter	''	-	-	-	-		Pentair	Hydromatic	
	Over				-	-	-	-	Yes	Xylem	Flygt	< 80 gpm peak design flow
		ess	Grinder	7	-	-	-	-	-			
		S Grinder		-	-	-	-	-				

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EST. 1834	Hillsb Coun	oro ty F	ugh orida	#	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
		J tyle)	4	Limit	Yes	Yes	1	Yes	•	Ford Meter Box Company Inc.	Uni-flange 1300	2" to 36"
Ś		Ring on St	(Serration Style)		Yes	Yes	-	Yes	-	Sigma	PV-Lok PWM	2" to 48"
Restraints		//J - rati		No I	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"
ल	_	^ Ser	(A)	Z					-	Star Pipe Products	1000G2	4" to 12"
Ä	- DIP	<u> </u>	/N.		-	-	·	•	•			
δ	Ó				Yes	Yes	-	Yes	-	EBAA Iron Company	2000 PV	4" to 36"
ď	PVC - MJ - Gland (Wedge Action)	Ē			Yes	Yes	-	Yes	-	Sigma	One-Lock SLCE	
a		and	0 0	nit	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-Flange 1500	
<u>a</u>		GĶ e A		Limit	Yes	Yes	-	Yes	-	Star Pipe Products	4000G2	3" to 12"
Pipe		- UV edg	Political and Po	No	Yes	Yes	-	Yes	-	Romac Industries	GripRing	
		1 ∞		_	Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLP	
			1		Yes	Yes	-	Yes	-	Serampore Industries Private Ltd. (SIP)	EZPVCU Ultra	4" to 12"

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					P P					approved Froduct		
EST.	Hillsb Coun	oro ty Fi	ugh orida	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	-	EBAA Iron Company	1600TD	4" to 12"
		бu	1	ij	Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uni-flange 1390	4" to 12"
		Ring - Ring		No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1100G2	4" to 12"
		ing		10	Yes	Yes	-	Yes	-	Star Pipe Products	3100P	4" to 12"
(A)		<u>~</u>		Z	Yes	Yes	•	Yes	-	Sigma	PV-Lok PWP	
1			15.0		Yes	Yes	-	Yes	-	Sigma	One-Lok SLDEH	
Pipe Restraints	n	MJ - Ring (Serration Style)	stration style)	No Limit	Yes	Yes	-	Yes	-	Star Pipe Products	1000G2	4" to12 "
est	910 - 910	MJ - (Ser St	30	No	Yes	Yes	-	Yes	-	JCM Industries	610	4" to 12"
œ					Yes	Yes	-	Yes	-	EBAA Iron Company	MegaLug 1100	
9					Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1400	
<u>d</u>		MJ - Gland (Wedge Action)		ïŧ	Yes	Yes	-	Yes	-	Sigma	One-Lok D-SLDE	
		3lar Act	104 1	No Limit	Yes	Yes	-	Yes	-	Sigma	One-Lok SLDE	
		J - (dge		0 L	Yes	Yes	-	Yes	-	Romac Industries	GripRing	
		Weg		Z	Yes	Yes	-	Yes	-	Star Pipe Products	StarGrip 3000	4" to 12"
					Yes	Yes	-	Yes	-	Tyler/Union	Tuf Grip TLD	
			3988		Yes	Yes	-	Yes	-	Serampore Industries Private Ltd. (SIP)	EZD-Grip	3" to 24"
S					Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1350	4" to 12"
Pipe Restraints					Yes	Yes	-	Yes	-	Ford Meter Box Company Inc.	Uniflange 1390	4" to 12"
<u>.</u>	ပ္	و و		±.	Yes	Yes	-	Yes	-	EBAA Iron Company	1600 (& 1600TD)	4" to 12"
sti	₫.	- Ring		Ë	Yes	Yes	-	Yes	-	JCM Industries	JCM 620	4" to 12"
%	- ၃	PVC - PVC		No Limit	Yes	Yes	-	Yes	-	Sigma	PV-Lok PWP	2" to 12"
Φ.	₫	痘	1	Z	Yes	Yes	-	Yes	-	Star Pipe Products	1100G2	4" to 12"
di					Yes	Yes	-	Yes	-	Star Pipe Products	4100P	4" t0 12"
Δ.					-	-	-	-	-	Serampore Industries Private Ltd. (SIP)	EZ-Grip PTP Series	4" to 12"

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					Yes	Yes	1	Yes	•	U.S. Pipe Company	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)
					Yes	Yes	•	Yes	-	McWane Inc.	TR Flex Gripper Ring	4" to 36" (For use with TR Flex Joint DI Pipe)
ints	(0	OIP-DIP		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.
tra	eons	OIP.		1 0N	Yes	Yes	1	Yes	•	U.S. Pipe Company	HDSS	12" to 48" (Requires Prior PUD Approval)
Pipe Restraints	Miscellaneous			_	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.
Pipe	2				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.
		٥٨c		Limit								
		PVC-PVC		No Li	Yes	Yes	-	Yes	-	Ransom International LLC. Subsidiary of McWane Inc.	RieberLoc- For C900 PVC DR 18 a& 14	4" to 12" (Requires Prior PUD Approval) Not for directional drill or above grade use. Review assembly instructions before use.

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		ь	Combo (Box & Lid)	No Limit	-	-	-	Yes		DFW Plastics, Inc	DFW37C-12-AF1-SARV-HILLS	Black with lid lettering "Hillsborough County Sewer ARV"
	or or or	<u> </u>	(B. C.	ž	-	-	-	-	-			
Vent Boxes	ent Box fc Vastewate orce Mair	/ent Box for Nastewater Force Main Release Va	Lids	No Limit	1	1		Yes	•	DFW Plastics, Inc	DFW37C-AF1-SARV-LID-HILLS	Black with lettering "Hillsborough County Sewer ARV"
Bc		- -	Boxes	Limit	-	•	-	Yes		DFW Plastics, Inc	DFW37C-12-BODY	Wastewater>Black
ent			se Bo	Ĺ	-	-	-	-				
			Base	9	-	•	-	-	-			
and			oo Lid)	Limit	Yes	-	-	-	-	DFW Plastics, Inc	DFW37C-12-AF1F-DEEP-HILLS	Potable>Black
e e	Se		Combo (Base & Lid)) Li	-	Yes	-	-	•	DFW Plastics, Inc	DFW37C5-12-AF5F-DEEP- HILLS	Reclaimed>Pantone 522C
fac	30X(ice		å	-	-	-	-	•			
Surface	erE	Service	ş	Limit	Yes	-	-	-	-	DFW Plastics, Inc	DFW37C-AF1FDEEP-HILLS-LID	Potable>Black
	Water Meter Boxes	Single S	Lids	No L	-	Yes	-	-		DFW Plastics, Inc	DFW37C5-12-AF5F-DEEP-HILLS- LID	Reclaimed>Pantone 522C
	/ate	Sir	Boxes	Limit	-	-	-	-	•			
	>		se Bo) Lir	Yes		-	-	-	DFW Plastics, Inc	DFW37C-12-BODY	Potable>Black
			Base	8	-	Yes	-	-		DFW Plastics, Inc	DFW37C5-12-BODY	Reclaimed>Pantone 522C

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			Combo (Box &Lid)	Limit	Yes	•	-	-		DFW Plastics, Inc	DFW39C-12-AF1F-DEEP-HILLS	Potable>Black
		ě	0 <u>6</u>	2	-	Yes			-	DFW Plastics, Inc	DFW39C5-12-AF5F-DEEP-HILLS	Reclaimed>Pantone 522C
S		Serivce	spi	Limit	Yes				-	DFW Plastics, Inc	DFW39C-AF1F-DEEP-HILLS-LID	Potable>Black
Vent Boxes		Dual S		_ 8	-	Yes	•	•	-	DFW Plastics, Inc	DFW39C5-AF5F-DEEP- HILLS LID	Reclaimed>Pantone 522C
	س ا	ñ	S	it	-		•	•	-			
Ш	l ě		Boxes	Limit	-		-	-	-			
-	B ₀		Base B) Li	Yes	-	•	•	-	DFW Plastics, Inc	DFW39C-12-BODY-HILLS	Potable>Black
	e _		Ba	Š	-	Yes	-	-	-	DFW Plastics, Inc	DFW39C5-12-BODY-HILLS	Reclaimed>Pantone 522C
and	Met		nbo & Lid)	Limit	Yes	•	1	•	-	DFW Plastics, Inc	DFW1730C-12-AF1F-DEEP HILLS	Potable>Black
	Water Meter Boxes	Use	Combo (Box & Lid)	%	-	Yes	•	-	-	DFW Plastics, Inc	DFW1730C5-12-AF5F-DEEP HILLS	Reclaimed> Pantone 522C
Surface	>	Commercial L		Limit	Yes	•	-	-	-	DFW Plastics, Inc	DFW1730C-12-AF1F-DEEP- HILLS - LID	Potable>Black
(U)		nme		8 N	-	Yes	-	-	-	DFW Plastics, Inc	DFW1730C5-12-AF5F-DEEP- HILLS - LID	Reclaimed> Pantone 522C
		Con	Boxes	Limit	Yes	Yes	-	-	-	DFW Plastics, Inc	DFW1730-12-BODY-HILLS	Potable>Black
			Base	å	-	Yes	-	-	-	DFW Plastics, Inc	DFW1730C5-12-BODY-HILLS	Reclaimed> Pantone 522C

PRC approval of a product will not be given, or considered, as part of an active bid or bid review.

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EST	1834 C	lillsb coun	orough ty Florida	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	-	-	-	Crispin Multiplex Manufacturing	PL 20	Air-Release Valve.
					Yes	Yes	-	-	-	Valmatic	45	Air-Release Valve.
					Yes	-	-	-	-	A.R.I. Flow Control	D-040PT02	Combination Air Valve for Potable Water
					-	Yes	-	-	-	A.R.I. Flow Control	D-021PT02	Combination Air Valve for Reclaimed Water
			ase and n Air Valves	o Limit				Yes		A.R.I. Flow Control	D-025TPV02	Combination Air Valve. Vacuum check valve required (D-025TPV02) unless a major vacuum condition exists and is specified by the design engineer via a design exception (D-025PT02 is same without one-way valve in high vacumme applications). Reinforced Nylon body, SST Hardware and trim.
				Z	-	Yes	-	Yes	-	H-Tec	Model 986	
							Yes		BERMAD	C50-PIP	Combination Air Valve. Inflow protection option required (IP) 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 ste		alves dy shall be 316 n-lubricated free-		-	-	1	1	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".
Valves	floating ba	ll type, full	port. Handle, nuts Il be 300 series	Limit	-	•	•	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*
Va			9	8 N	-	-	1	1	Yes	Jamesbury Corporation (Metso Automation)	Full Bore Series 9000	Full port, ANSI Class 150 Flanged Grinder Pump Stations: For discharge piping isolation Typically 2"
					-	-	-	-	-			
			je Arm	nit	Yes	Yes	-	1	Yes	Kennedy Valve Company (McWane)/ M&H (McWane)	Style 1106LW (lever & weight)	2" to 12". Bronze to bronze seat.
	"	Check Valves 2" & larger Metal Resilient Hinge Arm	Metal & ent Hinç	No Limit	Yes	Yes	-	-	Yes	Kennedy Valve Company (McWane)/ M&H (McWane)	Style 106AW/ 159-02 (lever & weight)	14" and up. Resilient to bronze seat.
	alves		Resilie	ž	Yes	Yes	-	-	Yes	American Flow Control	50-SC Series	8" to 14"
	ck V	" & larger		_ 	-	-	-	-	Yes		Series 500A	
	Chec	•	Limit	-	-	-	•	Yes	Val-Matic	5XXDG	XX represents size Must have stainless steel cover bolts, disc position indicator, and backflow actuator. Resilient hinge arm style.	
			N _o	-	-	-	-	Yes	GA Industries (North American Valve and Gate Group)	RF200-D	Must have stainless steel cover bolts, disc position indicator, and backflow actuator.	

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EST. 1s	334 Saa	lillsborough county Florida	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	U.S. Pipe Company	A-USP0-6	Cast Iron, NRS, Flanged
						-	-	-			
				Yes	Yes	-		-	U.S. Pipe Company	R-USP0-6	Cast Iron, OS&Y, Flanged
											-
			Limit	Yes	Yes	-	-	Yes	U.S. Pipe Company	A-USP0-8	Cast Iron, NRS, NPT
		2" to 3"	⊐								
			٩	Yes	Yes	-	-	Yes	Mueller Co.	A-2361 Series	DI, NRS, NPT, Flanged or OS&Y, T304 SST hardware, EPDMdisc/gaskets, (No OS&Y at pump station)
			Z	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)
	3515)			Yes	Yes	-	-	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)
	, ∞			-	-	-		-			
S	6 06										
Ve Ve	Valves ed C509 8			Yes	Yes	-	-	-	U.S. Pipe Company	USP0 Series	Cast Iron, NRS or OS&Y
Valves	Gate Valves (Resilient Seated C509 & C515)			Yes	Yes	-	•	Yes	Mueller Co.	A-2361 Series	DI, NRS, Flanged or OS&Y, T304 SST hardware, EPDMdisc/gaskets, (Aquagrip x Aquagrip - Must have Restraint Bolts), (No OS&Y at pump station)
) lien		ΞĪ	-	-	-	-	Yes	U.S. Pipe Company	A-USP0-6	Cast Iron, NRS, Flanged
	esi	4" to 12"	No Limit	Yes	Yes		_	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)
	Œ.		0	Yes	Yes	-	•	Yes	Kennedy Valve Company (McWane)		Ductile or Cast Iron, NRS or OS&Y (No OS&Y at pump station)
			Z	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		-	-	-	M&H Valve Co. (McWane)	4068	Cast Iron, OS&Y, Flanged
				Yes		-	-	Yes	M&H Valve Co. (McWane)	4067	Cast Iron, NRS
				Yes		-	-	Yes	American Flow Control	2500 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station)
			Limit	Yes		_		Yes Yes	Clow Valve Co. (McWane) Mueller Co.	Model 2638 2361 Series	Ductile Iron, NRS or OS&Y (No OS&Y at Pump Station). DI, NRS or OS&Y, T304 SST hardware, EPDM disc/gaskets,
		14" & larger	Ē		103			103	Widelier Co.	2001 001100	(No OS&Y at pump station)
		14" & larger	9 N	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	U.S. Pipe Company	A-USP1-6	DI, NRS, Flanged, T304 SST hardware, EPDM disc/gaskets
				-	-	- 1	-	-			

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						<u> 441-</u>	Jen	uix	B: Pre-approved Pr	oducis and mater	iais
EST. 1	834 S	lillsborough ounty Florida	Optimal County Limit ⇔	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
	Cor	poration Stops		Yes		-	-	-	Ford Meter Box Company INC	FB 1700-7-NL	Ball[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]
	AT RIVER			Yes		-	-	-	Mueller Co.	B20046N	Ball[Male AWWA IP Thread Inlet] x [Threaded Female IP Outlet]
		(S) (THE	ii	Yes		-	-	-	Ford Meter Box Company INC	FB-1100-X NL (Entire Line)	Ball[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
			ir	Yes		H		-	Tord Weter Box Company INC	1 B-1100-X NE (Entire Eine)	Dan[wale AWWA IF Thread linet] X [CTO Tubing Odilet]
			_	Yes	Yes	-	-	-			
			No Limit	Yes		-	-	-	Mueller Co.	P25028N	Ball[Male AWWA IP Thread Inlet] x [CTS Tubing Outlet]
			_	Yes					A V. McDeneld	724400	Ball - MNPT x FNPT
				Yes Yes		-	_	_	A.Y. McDonald A.Y. McDonald	73149B 74704B-22	Ball - MNPT x CTS Compression
			1	1							·
			m	Yes	Yes	-	-		Ford Meter Box Company INC	B41-XXXW-NL(Entire Line)	Ball[CTS Tubing Inlet] x [Threaded Female IP Outlet]
		Curb Stops	Limit	Yes	Yes	-	-	-	A.Y. McDonald	76102W-22	Ball - CTS compression x FNPT
		•	9 N								
			Z	-	-	-	-	-			
				Yes	-	-	-	-	Ford Meter Box Company INC	B43-XXXW-NL (Entire Line)	Ball[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
			Ξ	-	Yes	-	-	-	Ford Meter Box Company INC	BRW 43-XXXW-NL (Entire Line)	Ball[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
10		Single Service	No Limit	Yes	Yes	-	-	-	Mueller Co.	P24350N	Ball[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
ď		J	0	Yes					A.Y. McDonald	76100MW-22	Ball - CTS compression x meter
Valves			Z		Yes				A.Y. McDonald	76100MW-22RWC	Ball - CTS compression x meter
>		Angle Service	No Limit	Yes	Yes	-	-	-	Ford Meter Box Company INC	BA43-342W-NL	Ball[CTS Tubing Inlet] x [Meter Swivel Nut Outlet]
	alves	, ungle col vice	No	Yes	Yes	-	•		A.Y. McDonald	74602B-22	Ball - CTS compression x meter
	Meter Valves			Yes	-	-	-	-	Ford Meter Box Company INC	Assembly: UVB43-42W-NL	Ball Angle Valve [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]
		Bronohod as Divel	Limit						Ford Meter Box Company INC	Assembly: UVBS43-42W-NL	Straight Ball Valve [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]
		Branched or Dual Service	No Li	-	Yes	-	-	-	Ford Meter Box Company INC	Assembly: UVBRW43-42W	2 Ball Angle Valve [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]
			Z	Yes	Yes	-	-	-	Mueller Co.	Must be ordered as Assembly Two B24265N One P15363N	(Installed Only as Assembly) 2 Ball Angle Valves [Female IP Inlet] X [Meter Swivel Nut Outlet] Branch Pipes [CTS Tubing Inlet] x [2 Male AWWA IP Outlets]
				Yes	Yes	-	-	-	A.Y. McDonald	709U2BW-22	CTS compression x meter swivel nut with saddle

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						4 /	Jen	uix	B: Pre-approved Pro	Juucis and Male	idis
EST. 18	34 SM	Hillsborough County Florida	Optimal County Limit 🜣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
		off		-	١	-	Yes	-	GA Industries	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*-38* 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.					Yes		Val-matic	2 inch – 12 inch series 5000.3XF and 14 inch to 36 inch series 5000F.3XF	
Valves	Plug Valves	Must have internal and external epoxy coating 10 mils minimum. and gearing shall be rated for a minimum of 150 psi and shall provide drip-tight 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.	imit.	-	-	-	Yes	-	Musller Company	Milliken Valve Company Ballcentric Plug Valves	
Val	V Blug \	internal and external be rated for a minimu with this pressure 14"-30" rectangular p Of stainless steel exter reseat-end must face ir request packing slip t	er, seat-end must face into the directivy request packing slip to verify specifing.	•	•	•	Yes	-	Mueller Company	Henry Pratt Company Ballcentric Plug Valves	
		Must have lives and gearing shall 3"-12" round port 6 For wastewate linspectors may		1	•	1	Yes		Dezurik	PEF	
		>		-	-	-	Yes	-	VSI Waterworks	PVII (2"-12") & PVIF (14"-72")	

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Appendix B. Fre-approved Froducts and materials											
Hillsborough County Florida			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		4" to 12"	No Limit	Yes	Yes	-	Yes	Yes	M&H Valve Co. (McWane)	4751	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	Yes	-	Yes	Yes	Clow Valve Co. (McWane)	F-6114	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
	Tapping Valves			Yes	Yes	-	Yes	Yes	Mueller Co.	T-2361 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP0 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	Yes	-	Yes	Yes	American Flow Control	2500 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
	oing	14" & larger	No Limit	Yes	Yes	-	Yes	Yes	American Flow Control	2500 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
	арр			Yes	Yes	-	Yes	Yes	Clow Valve Co. (McWane)	F-6114	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	Yes	-	Yes	Yes	Mueller Co.	T-2361 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	Yes	-	Yes	Yes	U.S. Pipe Company	T-USP1 Series	Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				-	-	-	- 1	•			Tapping valves for force mains are considered sacrificial and an additional plug valve is required.
				Yes	-	-	-	-	American Flow Control	B-84-B-5	304 Stainless Steel required on hydrant external and bonnet internal hardware and extension kit hardware.
Fire Hydrants			5	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.
			-	-	-	-	-				

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Hillsborough County Florida			Optimal County Limit 🌣	POTABLE WATER	RECLAIMED WATER	WASTEWATER (Gravity)	WASTEWATER (Force Main)	WASTEWATER (Pump Station)	Manufacturer	Part Name/ Model Number	Important Notes and Stipulations
	Automatic Meter Reader (AMR) Meter Register		3	Yes	Yes	1	-	-	Transparent Technologies (T²)	Innov8	
			,	Yes	Yes	•	•	-			
	Compound Pressure Gauges Assembly			-	-	-	-	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.
	Assembly		No Limit	-	-	-	-	-			
	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.			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.
<u>s</u>				-	-	-	-	-			
) O				-	-	-	-	-			
Miscellaneous	Wet Well Washer and Wastewater Conditioner			-	-	-	-	Yes	Anue	EP-1300 Series	Grinder stations not included. Used only in special conditions. Requires HCWRD Engineering Approval.
Se				-	-	-	-	-			
Mis				-	-	-	-	-			
	Manhole Inserts	HDPE (Can only be used		-	-	Yes	-	-	USSI	Inflow Defender	Structural ribbing, no vent, woven nylon handle, 304 SST hdwe, neoprene gasket
		Off-Pavement)	nit								
		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
						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
				-	-	Yes	-	-	Southwestern Packing & Seals	Rainstopper	Vent, 304 SST handle and hrdwr, synthetic elastomer (EL) gasket
	Valve Stem Alignment	Not Required	Limit	Yes	Yes		Yes	Yes	EMMA Sales LLC	BoxLoc	Recommended, but Not Required
	Alignment		Š	-	-	-	-	-			

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