

APPENDIX A

LIST OF APPROVED PRODUCTS

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Air Release	ARV Enclosure	All ARV above ground enclosures shall be vented with tamper proof locking device						
		Water Plus Polyethylene Enclosure	131632 H30-B	Blue 44" Tall	131632 H30-P	Pantone 44"	131632 H30-G	Green 44" Tall
		Enclosure	171730 H40-B	Blue 30" Tall	171730 H40-P	Pantone 30"	171730 H40-G	Green 30" Tall
	Safety-Guard/Hydro Guard	15100 Encl	Blue 34" Tall	15100 Encl	Pantone 34" Tall	15100 Encl	Green 34" Tall	
	Air Release Valves	Air Release Valves shall be Combination Type, 316 SS and Nominal Size						
		ARI	D-040SS	Combination	D-040SS	Combination	D-020 (SS)	Combination
Vent-O-Mat		Series RBX DN50	2"	Series RBX DN50	2"	RGX series		
ARV Vault	Air Release Valve Frame and Cover							
	US Foundry	NA	NA	NA	NA	USF 7665-HH-HJ		
Blow Off	Auto Blow Off	Automatic Blow Off Valve						
		Hydro Guard	HG-1 Standard Unit	Automatic	NA	NA	NA	NA
	Blow Off Valve	Blow Off Valve - Fits standard 5-1/4 inch Valve Box						
Kupferle Foundry Co		Truflor Series TF #550		Truflor Series TF #550		NA	NA	
Water Plus Corp		The Hydrant Plus Series VB 2000B		The Hydrant Plus Series VB 2000B		NA	NA	
Casing Seals / Spacers	Casing End Seals	Casing End Seals. Annular space between pipe and steel casing shall be brick and mortar with end seals to secure ends.						
		Advance Products	Model AC and AW		Model AC and AW		Model AC and AW	
		BWM Company	Model WR and PO		Model WR and PO		Model WR and PO	
		Cascade Water Works	Model CCES		Model CCES		Model CCES	
		CCI Pipeline	Model ESW and ESC		Model ESW and ESC		Model ESW and ESC	
		Pipeline Seal & Insulator, Inc (PSI)	Model C and W		Model C and W		Model C and W	
		Power Seal	Model 4810ES		Model 4810ES		Model 4810ES	
	Casing spacer	Casing spacers shall be a min. 8-inches wide for pipe 12" Dia or less or min. 12-inches wide for pipe 16 or greater , shall have a minimum 14 gauge 304 stainless steel shell/band, minimum 10 gauge 304 reinforced risers; minimum thickness of 0.090 EPDM or PVC interior liners, glass reinforces polymer or ultra high molecular weight polyethylene and 304 stainless bolts, nuts and washers.						
		Advance Products	SSI8 / SSI12		SSI8 / SSI12		SSI8 / SSI12	
		BWM Company	BWM-SS-8 / SS-12		BWM-SS-8 / SS-12		BWM-SS-8 / SS-12	
		Cascade Water Works	Series CCS 8" / 12"		Series CCS 8" / 12"		Series CCS 8" / 12"	
		CCI Pipeline	Model CCS8 / CSS12		Model CCS8 / CSS12		Model CCS8 / CSS12	
Pipeline Seal & Insulator, Inc (PSI)		Series S8G-2 / S12G-2		Series S8G-2 / S12G-2		Series S8G-2 / S12G-2		
Coatings	Exterior Coatings for Exposed Metal Assets	Coatings: Aerial pipe, hydrants, above ground piping, fittings, valves and Appurtenances - System 1 Zinc / Urethane / Fluoropolymer application and color code per Standard Specifications Coatings & Linings. Coating shall not be in contact with Potable water unless NSF 61 approved.						
		Carboline	Carbozinc 621	3.0 - 8.0 mils	Carbozinc 621	3.0 - 8.0 mils	Carbozinc 621	3.0 - 8.0 mils
			Carbothane 133 HB	3.0 -5.0 mils	Carbothane 133 HB	3.0 -5.0 mils	Carbothane 133 HB	3.0 -5.0 mils
			Carboxane 950	2.0 - 3.0 mils	Carboxane 950	2.0 - 3.0 mils	Carboxane 950	2.0 - 3.0 mils
		Thnec	Zinc Series 90-97	2.5 - 3.5 mils	Zinc Series 90-97	2.5 - 3.5 mils	Zinc Series 90-97	2.5 - 3.5 mils
			Typoxy Series 27WB	4.0 -14.0 mils	Typoxy Series 27WB	4.0 -14.0 mils	Typoxy Series 27WB	4.0 -14.0 mils
			EnduraShield Series73	2.0 - 3.0 mils	EnduraShield Series73	2.0 - 3.0 mils	EnduraShield Series73	2.0 - 3.0 mils
			Hydroflon Series 700	2.0 - 3.0 mils	Hydroflon Series 700	2.0 - 3.0 mils	Hydroflon Series 700	2.0 - 3.0 mils

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			Model #	Comments	Model #	Comments	Model #	Comments
Coatings	Exterior Coatings for Exposed Metal Assets	Coatings: Aerial pipe, hydrants, above ground piping, fittings, valves and Appurtenances - System 2 Zinc / Epoxy / Urethane application and color code per Standard Specifications Coatings & Linings. Coating shall not be in contact with Potable water unless NSF 61 approved.						
		Carboline	Carbozinc 621	3.0 - 8.0 mils	Carbozinc 621	3.0 - 8.0 mils	Carbozinc 621	3.0 - 8.0 mils
			Carboguard 60	4.0 - 6.0 mils	Carboguard 60	4.0 - 6.0 mils	Carboguard 60	4.0 - 6.0 mils
			Carboxane 950	2.0 - 3.0 mils	Carboxane 950	2.0 - 3.0 mils	Carboxane 950	2.0 - 3.0 mils
		Tnemec	Zinc Series 90-97	2.5 - 3.5 mils	Zinc Series 90-97	2.5 - 3.5 mils	Zinc Series 90-97	2.5 - 3.5 mils
			Typoxy Series 27WB	4.0 - 14.0 mils	Typoxy Series 27WB	4.0 - 14.0 mils	Typoxy Series 27WB	4.0 - 14.0 mils
			Hi-Build Epoxoline II	4.0 - 10.0 mils	Hi-Build Epoxoline II	4.0 - 10.0 mils	Hi-Build Epoxoline II	4.0 - 10.0 mils
			Series N69		Series N69		Series N69	
		PPG / Ameron	EnduraShield Series73	2.0 - 3.0 mils	EnduraShield Series73	2.0 - 3.0 mils	EnduraShield Series73	2.0 - 3.0 mils
			Amercoat 68HS	Min 3.0 mils	Amercoat 68HS	Min 3.0 mils	Amercoat 68HS	Min 3.0 mils
Amercoat 385	4.0 - 6.0 mils		Amercoat 385	4.0 - 6.0 mils	Amercoat 385	4.0 - 6.0 mils		
	Amercoat 450H	2.0 - 3.0 mils	Amercoat 450H	2.0 - 3.0 mils	Amercoat 450H	2.0 - 3.0 mils		
Fittings	Fittings	Ductile Iron Fittings C153 SSB / C110 FLG: (Water & Reclaimed Water fittings shall cement lined or holiday free fusion bonded epoxy lined) (Wastewater fittings interior shall be Protecto 401 and holiday free). Made in USA Only.						
		American	30" & up	FBE / Cement	30" & up	FBE / Cement	30" & up	Protecto 401
		Sigma		FBE / Cement		FBE / Cement		Protecto 401
		Star (Made in USA)		FBE / Cement		FBE / Cement		Protecto 401
		Tyler Union & Clow		FBE / Cement		FBE / Cement		Protecto 401
Flow	Flow Meter	Flow Meters With Replaceable Sensors						
		McCrometer						
Hydrants	Hydrants	Hydrants Shall open left, 1-1/2 Pentagon operating nut, NST hose & pumper thread, rotate 360 degrees, closed drains, epoxy on shoe in & out and 304 SS nuts & bolts.						
		American Flow Control	B-84-B (6 inch)		NA	NA	NA	NA
Joint Restraints	Ductile iron pipe MJ Restraints	Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restrain ductile iron pipe to mechanical joint fittings, pipe and appurtenances.						
		EBAA Iron Inc	Megalug Series 1100		Megalug Series 1100		Megalug Series 1100	
		Ford / Uni-Flange	UFR-1400		UFR-1400		UFR-1400	
		Sigma	OneLok Series SLD/SLDE		OneLok Series SLD/SLDE		OneLok Series SLD/SLDE	
		Smith Blair	Cam Lok Series 111		Cam Lok Series 111		Cam Lok Series 111	
		Star	Star Grip Series 3000		Star Grip Series 3000		Star Grip Series 3000	
	Tyler Union	TufGrip Series TLD		TufGrip Series TLD		TufGrip Series TLD		
	DI pipe Bell Joint Restraints (4"-12") (New & Existing)	Bell Joint Restraints for Ductile Iron Pipe (4"-12") (New & Existing) - All restraints split serrated on bell and spigot ends. Pipe 16" and greater shall have restraint gaskets or locking bells. (Wastewater only for restraint of existing DIP FM)						
		EBAA Iron Inc	Tru-Dual Series 1500TD		Tru-Dual Series 1500TD		Tru-Dual Series 1500TD	
		Ford / Uni-Flange	Uni-Flange Series 1390C		Uni-Flange Series 1390C		Uni-Flange Series 1390C	
		Sigma	PV-Lok Series PWP-C		PV-Lok Series PWP-C		PV-Lok Series PWP-C	
		Smith Blair	Bell-Lock Series 165		Bell-Lock Series 165		Bell-Lock Series 165	
		Star	StarGrip Series 3100S		StarGrip Series 3100S		StarGrip Series 3100S	
		Tyler Union	TufGrip-Series 300C		TufGrip-Series 300C		TufGrip-Series 300C	

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Joint Restraints	Ductile Iron Pipe Bell Joint Restraints (16" & Greater)	Ductile Iron Pipe Bell Joint Restraints for Ductile Iron Pipe (16" & Greater) - All restraints shall have a split back-up ring for the bell and a serrated or wedge action gland for the spigot end. New installation for water & reclaimed water piping 16" and greater shall have restraint gaskets or locking bells.						
		EBAA Iron Inc	Series 1100HD	Existing Only	Series 1100HD	Existing Only	Series 1100HD	Existing Only
		Sigma	Series SSLDH	Existing Only	Series SSLDH	Existing Only	Series SSLDH	Existing Only
		Star	Series 3100S	Existing Only	Series 3100S	Existing Only	Series 3100S	Existing Only
	Ductile iron pipe Bell Joint Restraint Gaskets and Locking Bell (4" & Above)	Bell Joint Restraint Gaskets and Locking Bell (4" & Above) Stainless Steel locking wedges built into the gasket-rubber. ANSI/AWWA C111/A21.11 Standard for Rubber-Gasket Joints for Ductile Iron Pressure Pipe. Ductile Iron Bell Joint Restraint for Push-On Pipe- Locking bell joint system that prevents joint separation and allows for joint deflection. Bells shall be painted red to verify restrained gasket.						
		American	Fast Grip Gasket	Gasket	Fast Grip Gasket	Gasket	NA	NA
			Flex-Ring Joint	Bell Lock	Flex-Ring Joint	Bell Lock	NA	NA
			Lok-Ring Joint	Bell Lock	Lok-Ring Joint	Bell Lock	NA	NA
		Griffin	Talon RJ Gasket	Gasket	Talon RJ Gasket	Gasket	NA	NA
			Snap-Lok	Bell Lock	Snap-Lok	Bell Lock	NA	NA
		McWane Inc. DI Pipe Group	Sure Stop 350 Gasket	Gasket	Sure Stop 350 Gasket	Gasket	NA	NA
			Thrust-Lock	Bell Lock	Thrust-Lock	Bell Lock	NA	NA
			TR-Flex	Bell Lock	TR-Flex	Bell Lock	NA	NA
		US Pipe	Super-Lock	Bell Lock	Super-Lock	Bell Lock	NA	NA
			Field Lok 350 Gasket	Gasket	Field Lok 350 Gasket	Gasket	NA	NA
			Field Lok Gasket	Gasket	Field Lok Gasket	Gasket	NA	NA
			TR-Flex	Bell Lock	TR-Flex	Bell Lock	NA	NA
	SS to DIP Transition Restraint	SS to DIP Transition Restraint - Flanged stainless steel pipe from Wetwell to Valve restrained joint transition (epoxy coated, SS hardware) Flg x PE RJ.						
		EBAA Iron Inc	NA	NA	NA	NA	Megaflange 2100	
		Sigma	NA	NA	NA	NA	SigmaFlange with One Lock SLDE	
		Smith Blair	NA	NA	NA	NA	911 Flange - Lock Restrained FCA	
	PVC Pipe MJ Restraints	Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restrain PVC pipe to mechanical joint fittings, and appurtenances.						
		EBAA Iron Inc	Mega-lug Series 2000PV		Mega-lug Series 2000PV		Mega-lug Series 2000PV	
			NA	NA	NA	NA	Megalug Series 2200 (42"-48")	
		Ford / Uni-Flange	UFR 1500 Series		UFR 1500 Series		UFR 1500 Series	
		Sigma	One Lok Series SLC/SLCE		One Lok Series SLC/SLCE		One Lok Series SLC/SLCE	
		Smith Blair	Cam Lok Series 120		Cam Lok Series 120		Cam Lok Series 120	
Star		Star Grip Series 4000		Star Grip Series 4000		Star Grip Series 4000		
Tyler Union	TufGrip Series TLP		TufGrip Series TLP		TufGrip Series TLP			

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			Model #	Comments	Model #	Comments	Model #	Comments
Joint Restraints	PVC Bell Joint Restraints (4" - 12") (New & Existing)	PVC Bell Joint Restraints: PVC pipe Split Serrated on Bell End and Spigot End. (4" - 12") (New & Existing)						
		EBAA Iron Inc	Tru-Dual Series 1500TD		Tru-Dual Series 1500TD		Tru-Dual Series 1500TD	
		Ford / Uni-Flange	Uni-Flange Series 1390		Uni-Flange Series 1390		Uni-Flange Series 1390	
		Sigma	PV-Lok Series PWP		PV-Lok Series PWP		PV-Lok Series PWP	
		Smith Blair	Bell-Lock Series 165		Bell-Lock Series 165		Bell-Lock Series 165	
		Star	Series 1100C		Series 1100C		Series 1100C	
		Tyler Union	TufGrip 300C		TufGrip 300C		TufGrip 300C	
	PVC Bell Joint Restraints (16" & Greater)	PVC Bell Joint Restraints: (16" & Greater) PVC pipe Split Serrated on Bell End and Spigot End. Water & Reclaimed Water Existing pipe only. Wastewater shall be new and existing pipe.						
		Ford / Uni-Flange	Series 1390	Existing Only	Series 1390	Existing Only	Series 1390	
		JCM	Sur-Grip Series 621	Existing Only	Sur-Grip Series 621	Existing Only	Sur-Grip Series 621	
		Sigma	PV-Lok PWP	Existing Only	PV-Lok PWP	Existing Only	PV-Lok PWP	
		Smith Blair	Bell-Lock Series 165	Existing Only	Bell-Lock Series 165	Existing Only	Bell-Lock Series 165	
		Star	Series 1100C	Existing Only	Series 1100C	Existing Only	Series 1100C	
	Pipe	PVC C900 DR 18 Bell & Spigot (4" - 12")	C900 Bell & Spigot PVC Pipe: 4 to 12-inch - AWWA C-900, Minimum DR18 for Water, Reclaimed and Wastewater. DR14 for Fire Lines. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status.					
Diamond Plastics Corp			C-900	Blue	C-900	Pantone Purple	Diamond C900	Green
Ipex Inc			C-900 Blue Brute	Blue	C-900	Pantone Purple	C900 Blue Brute	Green
JM Eagle			C-900	Blue	C-900	Pantone Purple	C-900	Green
National Pipe & Plastics Inc			C-900 Dura- Blue	Blue	C-900	Pantone Purple	C-900 Pipe	Green
North American Pipe Corp (NAPCO)			C-900	Blue	C-900	Pantone Purple	C-900	Green
Sanderson Pipe Corp			C-900	Blue	C-900	Pantone Purple	C-900	Green
PVC C905 DR 18 Bell & Spigot 16" and Larger		C905 Bell & Spigot PVC Pipe 16" and Larger: AWWA C-905, Minimum DR18 for all Force Mains up to 24". Minimum DR21/DR25 for 30" and greater. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status.						
		Diamond Plastics Corp	NA	NA	NA	NA	Trans-21 DR18	Green
		Ipex Inc	NA	NA	NA	NA	IPEX Centurion	Green
		JM Eagle	NA	NA	NA	NA	C905 Big Blue	Green
		National Pipe & Plastics Inc	NA	NA	NA	NA	C905	Green
		North American Pipe Corp (NAPCO)	NA	NA	NA	NA	C905 Big Blue	Green

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Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pipe	HDPE C906 DR11	HDPE Pipe DR11 AWWA C906 shall be Ductile Iron Pipe Size, PE 3408/3608/4710 DIPS manufactured in accordance with ASTM F-714 and listed with NSF. Pipe shall be marked in accordance with either AWWA C901,AWWA C906. Compression type connections are not acceptable in new installations. Pipe joints shall be butt fusion or electro-fusion with flange or adapter. All HDPE shall be color coded to the Utility. Color identifications are in accordance with the APWA/ULCC Uniform Color Code. Manufacturers shall be members in good standing with PPI to maintain approval status. No stainless steel inserts allowed.						
		JM Eagle	HDPE	DR11 Blue	HDPE	DR11 Pantone	HDPE	DR11Green
		Performance Pipe(Chevron)	Driscoplex 4000	DR11 Blue	Driscoplex 4000	DR11 Pantone	Driscoplex 4300	DR11 Green
		PolyPipe, Inc.	EHMW Poly Pipe	DR11 Blue	EHMW	DR11 Pantone	EHMW	DR11Green
	Ductile Iron Pipe	Ductile iron/Cast iron: (4" to 12" = Class 350, 16" to 24" - Class 250, 30" to 64" = Class 200). Water and Reclaimed water shall be cement lined. Wastewater Piping shall be Protecto 401 and Holiday Free. Exterior coatings as specified. Wastewater DIP piping shall be for pump station piping only. Manufacturers shall be members in good standing with DIPRA to maintain approval status.						
		American	Cement Lined	Blue	Cement Lined	Pantone Purple	Protecto 401	Pump Station
		Griffin	Cement Lined	Blue	Cement Lined	Pantone Purple	Protecto 401	Pump Station
		McWane Inc. DI Pipe Group	Cement Lined	Blue	Cement Lined	Pantone Purple	Protecto 401	Pump Station
	US Pipe	Cement Lined	Blue	Cement Lined	Pantone Purple	Protecto 401	Pump Station	
	Sample Stations	Sample Station	Sample Stations - Bacteriological Sample Station with built in flush system, all internal piping to be 2", brass and includes lockable green enclosures.					
Safety-Guard			SG-BSS-05 with pedestal green enclosure #77		NA	NA	NA	NA
Water Plus Corp			Model 5000 green		NA	NA	NA	NA
Services	Brass Service Saddles	Brass Service Saddles for 1" & 2" (Iron pipe threads) water & reclaimed water services on 4" through 12" Mains - Service saddles can be hinge or bolt controlled OD saddles to be used on C-900 and existing IPS OD PVC pipe.						
		Ford	Series S-70, S-90 4"-12"		Series S-70, S-90 4"-12"		NA	NA
		AY McDonald	Model 3891 / 3895,3801 4"-12" / 3805		Model 3891 / 3895,3801 4"-12" / 3805		NA	NA
		Mueller	Series S-13000 / H- 13000 4"-12"		Series S-13000 / H- 13000 4"-12"		NA	NA
	Service Saddles	Service Saddles for 1" & 2" (Iron pipe threads) Water & Reclaimed Water services on mains greater than 12". Service saddles for 2" taps (iron pipe threads) on 4" mains and greater for Waste Water. : Epoxy or nylon coated stainless steel 18-8-type 304 double straps, controlled O.D. saddles to be used on C-900 / C905 or DI for all 1-in and -2in taps on pipes over 12in.						
		Ford	Series FC202	16" & greater	Series FC202	16" & greater	Series FC202	4" & greater
		JCM	Series 406	16" & greater	Series 406	16" & greater	Series 406	4" & greater
		Mueller	DR2S	16" & greater	DR2S	16" & greater	DR2S	4" & greater
		Romac	Series 202NS	16" & greater	Series 202NS	16" & greater	Series 202NS	4" & greater
		Smith Blair	Series 317	16" & greater	Series 317	16" & greater	Series 317	4" & greater

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Services	Service Saddles for HDPE	Service Saddles for 1" & 2" (Iron Pipe threads) Water and Reclaimed Water Services: Epoxy or nylon coated stainless steel 18-8-type 304 double straps, controlled O.D. saddles to be used on HDPE for all 1-in and -2in taps. Taps to HDPE pipe shall be approved on a case by case basis. No direct taps allowed.						
		Ford	Series FCP202		Series FCP202		Series FCP202	
		Romac	Series 202N-H		Series 202N-H		Series 202N-H	
		Smith Blair	Series 317-1 for HDPE		Series 317-1 for HDPE		Series 317-1 for HDPE	
	Corporation Stops Ball Type	Corporation Stops Ball Type (1-inch with IP only/pack joint outlet for CTS) 2" Corporation Stop Ball Type shall be 2" MIP X FIP threads.						
		Ford	FB1000, FB1700-7		FB1000, FB1700-7		FB1700-7	2" ARV
	Curb Stops	Curb Stops - Straight Valves: Ball type compression 2" cts O.D. tubing by 2" FIP						
		Ford	B41-777W		B41-777W		NA	NA
	Curb Stops	Curb Stops - Straight Valves: ball type compression x compression						
		Ford	B44-444W, B43-344W-NL, B41-344W-L	No Lead	B44-444W, B43-344W-NL, B41-344W-L	No Lead	NA	NA
PE tubing	Polyethylene tubing: AWWA C901. UV protection (SDR-9) 1-inch and 2-inch only. PE 3408 / PE 4710							
	Charter Plastics	Blue Ice		Lav Ice		NA	NA	
	Endot	Endopure Blue		Endocore Lavender		NA	NA	
	JM Eagle	Pure-Core		NA	NA	NA	NA	
Line Stops	Line Stops: Stainless Steel Only							
	JCM							
	Romac							
	Smith Blair							
	Total Piping Solutions (TPS)							
Tapping Sleeves	Tapping Sleeves: 316 Stainless Steel mechanical joint for taps on cast iron, ductile iron, PVC & AC pipe, including size on size, with stainless steel nuts and bolts.							
	American Flow Control							
	Clow							
	JCM							
	Mueller							
	Smith Blair							

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Tapping Sleeves and Valves	Tapping Valves: 12" and smaller	Tapping Valves: 12" and smaller - Tapping Valves shall be furnished with an alignment lip and installed in the vertical position for Water and Reclaim Water. Two valves required for Wastewater, one valve shall be installed horizontally and abandoned in the open position, see Standard Drawings. Tapping valves shall be resilient seated only and meet the requirements of AWWA C509 or C515						
		American Flow Control	Series 2500	Alignment Lip	Series 2500	Alignment Lip	Series 2500	Alignment Lip
		Clow	Series F-6114	Alignment Lip	Series F-6114	Alignment Lip	Series F-6114	Alignment Lip
		Mueller	Series T2360 (4"-12")	Alignment Lip	Series T2360 (4"-12")	Alignment Lip	Series T2360 (4"-12")	Alignment Lip
	Tapping Valves: 16" and Larger	Tapping Valves: 16" and Larger - Tapping valves shall be furnished with an alignment lip and be installed in the vertical position for Water and Reclaimed Water. No tapping valve shall be installed horizontally for Water and Reclaim Water unless approved by the engineer. Tapping Valves 16" and larger AWWA C515 resilient seated only (16" and 24" no gearing required) above 24" shall be installed vertically with a spur gear actuator unless noted by the engineer. All tapping valves above 24" shall be furnished with NPT pipe plugs for flushing the tracks when valves are installed horizontally. Two valves required for tapping Wastewater lines, one shall be installed horizontally and abandoned in open position, see Standard Drawings.						
		American Flow Control	Series 2500	Alignment Lip & flushing port	Series 2500	Alignment Lip & flushing port	Series 2500	Alignment Lip & flushing port
		Clow	Series F-6114	Alignment Lip & flushing port	Series F-6114	Alignment Lip & flushing port	Series F-6114	Alignment Lip & flushing port
		Mueller	Series T2361 (14"&up)	Alignment Lip & flushing port	Series T2361 (14"&up)	Alignment Lip & flushing port	Series T2361 (14"&up)	Alignment Lip & flushing port
	Valves	Check Valves	Valves (Check) 4-inch and Larger (8 mil epoxy lined)					
American Flow Control			NA		NA		Series 600 or 50 line	
Clow / M&H / Kennedy			NA		NA		106	
Mueller			NA		NA		Series 2600	
Gate Valves 4" 12"		Gate Valves 12" and smaller - resilient seated only AWWA C509 or C515. Valve seat shall be leak-tight in both directions at 150 psi. Water and Recalimed only. NO Wastewater allowed.						
		American Flow Control	Series 2500		Series 2500		NA	
		Clow	Series F-6100		Series F-6100		NA	
		Mueller	Series A-2360		Series A-2360		NA	
Gate Valves (Vertical) 16" and Up		Gate Valves 16" and larger (Vertical Installation) AWWA C515 resilient seated only (16" and 24" no gearing required) above 24" shall be installed vertically with a gear actuator unless noted by the engineer. Valve seat shall be leak-tight in both directions at 150 psi. Water and Recalimed only. NO Wastewater						
		American Flow Control	Series 2500		Series 2500		NA	
	Clow	Series F-6100		Series F-6100		NA		
	Mueller	Series A-2361		Series A-2361		NA		

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			Model #	Comments	Model #	Comments	Model #	Comments
Valves	Control Valves	Hydraulically Operated Control Valves (Pressure Reducing Valves and/or Pressure Sustaining Valves)						
		Cla-Val					NA	
	Plug Valves	Plug Valves - Bi-directional, MJ & Flanged (min. 8mil fusion bonded epoxy with stainless steel bolts), gear operator to be sized for rated pressure of the valve. Valves 4"-20" shall be 80% Full Port and valves 24" and greater shall be minimum of 70% full port. Valve shall be factory tested to minimum 100 PSI in both directions.						
		Clow	NA		NA		F-5412 FLG	4" & up
			NA		NA		F-5413 MJ	4" & up
		Dezurik	NA		NA		Series PEF or PEC	4" & up
		Millikan / Pratt	NA		NA		Eccentric / Ballcentric	4" & up
	Val-Matic	NA		NA		5600 or 5800 (FLG)	4" & up	
		NA		NA		5700 or 5900 (MJ)	4" & up	
Valve Boxes	Valve Boxes with Locking Lids (Cast Iron)	Two piece standard screw type Heavy Duty Valve Boxes with Locking Lids (Cast Iron) and type of service cast in heavy duty traffic lid (H20 loading) ASTM A48						
		Bingham/Taylor	Series 4905	Box	NA	NA	Series 4905	Box
			4905-X	Extension	NA	NA	4905-X	Extension
			4904-L	Blue Water Locking Lid	NA	NA	4904-L	Green Sewer locking Lid
		Sigma	Series VB 261X-267X	Box	VB-25031LK-VB-2612	Box	Series VB 261X-267X	Box
			VB 6302	Extension	VB-6302	Extension	VB 6302	Extension
			VB 4650W	Blue Water Locking Lid	VB2503LK	Purple Square Locking Lid	VB 4650S	Green Sewer locking Lid
		Star	Series VB-0002	Box	NA	NA	Series VB-0002	Box
			VBEX 12-24S	Extension	NA	NA	VBEX 12-24S	Extension
			VBLIDLOCK	Blue Water Locking Lid	NA	NA	VBLIDLOCK	Green Sewer locking Lid
		Tyler Union	Series 6850	Box	NA	NA	Series 6850	Box
			58, 59, 60	Extension	NA	NA	58, 59, 60	Extension
			Locking Lid	Blue Water Locking Lid	NA	NA	Locking Lid	Green Sewer locking Lid
	Valve Box	For mains equal to, or greater than, 16" diameter or equal to greater than 6' feet deep						
		American Flow Control	# 2A - 9A Retrofit Valve Box Insert	Fit inside std valve boxes	NA		2A - 9A Retrofit Valve Box Insert	Green Sewer locking Lid
	Mueller Company	MVB050C thru MVB130C with Extension Stem	Blue Water Locking Lid	MVB050CR thru MVB130CR with Extension Stem	Purple Square Locking Reclaim Lid	MVB050C thru MVB130C with Extension Stem	Green Sewer locking Lid	
		MVB875 Guide Plate		MVB875 Guide Plate		MVB875 Guide Plate		
	For 1" inch diameter service lateral							
	NDS	D1200-DUDICIR		D1200-DUDICIR		N/A	N/A	
		D1500-DUDICIR		D1500-DUDICIR				

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Coatings	Anti-Graffiti Paint	Block Walls-Anti-Graffiti Paint per Standard Specifications for Coatings & Linings						
		American Building Restoration Products	NA	NA	NA	NA	Polysield Graffiti Preventer for Unpainted Masonry Type B	Super Bio Strip or Strip it all
		Tnemec / Chemprobe	NA	NA	NA	NA	626 DUR A PEL	680 Mark A Way
		Professional Products of Kansas, Inc	NA	NA	NA	NA	Professional Water Seal & Anti-Graffiti (PWS- Phase II Cleaner 15 Super Strength)	Professional
	Coatings for Existing Manholes	Rehabilitation corrosion protection system per Standard Specifications for Coatings & Linings. Interior coating for force main connections to existing concrete manholes only. New precast structures and existing pump stations shall be lined.						
		CCI Spectrum, Inc	NA	NA	NA	NA	Spectrashield	min of 500 mils
		Kerneos Aluminate Technologies	NA	NA	NA	NA	Sewpercoat	1" (1000mil)
		Raven Lining System	NA	NA	NA	NA	Raven 155 Primer	min 8 mils
		Sauereisen	NA	NA	NA	NA	Raven 405	min 125 mils
		Tnemec	NA	NA	NA	NA	210 Series	min 125 mils
PVC Pipe and fittings	Pipe SDR 26 Gravity Mains	PVC Pipe for Gravity SDR26 (Green in color) ASTM-D034. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status.						
		Diamond Plastics Corp	NA	NA	NA	NA	Sani-21 SDR-35	
		JM Eagle	NA	NA	NA	NA	Gravity Sewer	
		National Pipe & Plastics, Inc.	NA	NA	NA	NA	Ever-Green Sewer Pipe	
		North American Pipe Corp (NAPCO)	NA	NA	NA	NA	Gravity Sewer	
	Locator Balls	Locating Marker Systems - Locator balls						
		3M	NA	NA	NA	NA	3M™ EMS 4" Extended Range 5' Ball	
	Fittings SDR 26	Fittings, Adapters and Plugs - Gravity PVC ASTM-D3034, Min SDR26 (Gray in Color)						
		GPK Products, Inc.	NA	NA	NA	NA	SDR26 Gasketed sewer fittings	
		Harrington Corporation	NA	NA	NA	NA	SDR26 Gasketed sewer fittings	
Multi Fittings Corp.		NA	NA	NA	NA	SDR26 Trench Tough Sewer Fittings		
JM Eagle		NA	NA	NA	NA	SDR26 Gasketed sewer fittings		
Plastic Trends Inc		NA	NA	NA	NA	SDR26 Gasketed sewer fittings		
	TIGRE USA, Inc.	NA	NA	NA	NA	SDR26 Gasketed sewer fittings		
Flexible Pipe Connectors	Flexible Pipe Connectors and Transitions							
	Proco Products Inc.							
	Redflex/Red Valve							

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Precast Concrete Structures	MH Lids	Frame and Cover						
		USF Fabrication Inc. with I & I Barriers by Permaform	NA	NA	NA	NA	USF 225-AS	
	Adj Ring	Top Adjusting Rings - HDPE with heavy duty loading (H-20)						
		Ladtech, Inc. with I & I Barriers by Permaform	NA	NA	NA	NA	24R, 24S with Rope Sealant CS2455	
	Hatches	Wet Well and Valve Vault Access Frames and Covers (Include the term "Confined Space" etched or cast into the cover with recessed lock & hasp. Frames and covers per manufacturers specifications. Stainless Steel Hardward only.						
		Halliday Products	NA	NA	NA	NA	S1R or S2R Series	
		USF Fabrication Inc.	NA	NA	NA	NA	APS or APD Series	
	Precast Concrete Structures	Precast Manhole and Wetwell Structures ASTM C478. Precast concrete shall be batched with concrete dyed crystalline waterproofing admixture with corrosion protection. Concrete without admixture or without color tint /tracer shall be rejected.						
		Allied Precast	NA	NA	NA	NA	Dyed Admix	
		Atlantic Concrete Products, Inc.	NA	NA	NA	NA	Dyed Admix	
		Delzotto Products, Inc.	NA	NA	NA	NA	Dyed Admix	
		Dura Stress Underground Inc.	NA	NA	NA	NA	Dyed Admix	
		Hanson Pipe & Product	NA	NA	NA	NA	Dyed Admix	
		Mack Concrete	NA	NA	NA	NA	Dyed Admix	
		Oldcastle Precast	NA	NA	NA	NA	Dyed Admix	
	Standard Precast Inc.	NA	NA	NA	NA	Dyed Admix		
	Concrete Admix	Crystalline Waterproofing Concrete Admix with color dye shall be added to all concrete structures (precast and cast-in-place) to provide waterproofing and corrosion resistance. Concrete without admixture or without color tint / tracer shall be rejected. % concentration of admix with colored dye added to the mix shall be based on weight of cement per manufacturer recommendations.						
		Con Shield (biotech armor for concrete)	NA	NA	NA	NA	Microbiologically Induced Corrosion (MIC)	
	Liners	Interior Liner for New or existing Precast Manhole and Precast Wetwell Structures per Standard Specifications for Coatings & Linings						
		AFE	NA	NA	NA	NA	Fiberglass Liner	
AGRU Liner		NA	NA	NA	NA	HDPE Liner (Min 2 mm for Manhole / Min		
Containment Solutions Inc. (Flowtite)		NA	NA	NA	NA	Fiberglass Liner		
GSE Studliner		NA	NA	NA	NA	HDPE Liner (Min 2 mm for Manhole / Min		
GU Liner		NA	NA	NA	NA	Reinforced Plastic Liner		
L & F Manufacturing		NA	NA	NA	NA	Fiberglass Liner		

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater		
			Model #	Comments	Model #	Comments	Model #	Comments	
Precast Concrete Structures	Heat Shrink Seal	Heat Shrink Seal - Precast structures shall be primed with manufacturer approved primer prior to application of heat shrunk encapsulation.							
		Canusa-CPS	NA	NA	NA	NA	Wrapid Seal with WrapidSeal Primer		
		Pipeline Seal & Insulator, Inc (PSI)	NA	NA	NA	NA	Riser Wrap with Polyken 1027 or 1039 primer		
	Jointing Material	Jointing Material Min. 2" width for all products to ensure squeeze out with manufacturer approved primer.							
		Henry Company	NA	NA	NA	NA	Ram-Nek	with Primer	
		Martin Asphalt Company	NA	NA	NA	NA	Evergrip 990	with Primer	
	Pipe Seals Gravity	Resilient Connector Pipe Seals, Manhole - Gravity less than 12-inch and less than 15-ft deep							
		Hail Mary Rubber	NA	NA	NA	NA	Star Seal (cast-in-place)		
		IPS	NA	NA	NA	NA	Wedge Style		
		NPC	NA	NA	NA	NA	Kor-N-Seal Model WS		
	Pipe Seals Gravity	Cast in Place Pipe Seals, Manhole - Gravity Greater Than or Equal to 12-inch and all pipe sizes greater than 15-ft deep							
		Hail Mary Rubber	NA	NA	NA	NA	Star Seal	cast in place	
	FM Pipe Seals	Modular Pipe Seals for Wet Well and Valve Box penetrations and all forcemain connections to existing and new precast concrete structures. EPDM Rubber with 316 SS Hardware							
		CCI Pipeline Systems	NA	NA	NA	NA	Wrap-It Link WL-SS Series		
		Pipeline Seal & Insulator, Inc / Link Seal	NA	NA	NA	NA	Link-Seal S-316 Modular Seal		
		Proco Products, Inc	NA	NA	NA	NA	PenSeal ES-PS Series		

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Generator	Gen	Generator Systems, Fixed Shall be UL 2200 Certified.						
		Caterpillar	NA	NA	NA	NA	CAT Diesel Generator Set	
		Cummins Power Generation	NA	NA	NA	NA	Diesel Generator Set	
	Fuel Tanks	Generator Fuel Tanks. Shall be UL2085 certified.						
		Convault	NA	NA	NA	NA	CVT-3SF or CVT-3FF	
	GR	Generator Receptacle (GR)						
		Russellstoll - Thomas & Betts					JRSB 1044 FR (100 amp) For < 25 Hp Pumps.	
		Russellstoll - Thomas & Betts					JRSB 2044 (200 amp) For 25 Hp > Pumps.	
	ATS	Generator Transfer Switch						
		Emerson/ASCO						
Cummins								
Eaton/Culter-Hammer								
	Russelectric	NA	NA	NA	NA	RMTD Series with NEMA 12/3R model 2000 controller 316SS Enclosure		
Transfer Switch	Manual - Generator Transfer Switch							
	ESL Power Systems	NA	NA	NA	NA			
Odor Control	Odor Control Units	Odor Control Units						
		Heyward Florida Incorporated	NA	NA	NA	NA	HIVENT Passive Vapor Phase Odor Neutral	
		Heyward Florida Incorporated	NA	NA	NA	NA	HICARB Odor Control Systems	
		Heyward Florida Incorporated	NA	NA	NA	NA	HIBOCS Biological Air Scrubber System	
		Heyward Florida Incorporated	NA	NA	NA	NA	HIVON Vapor Phase Odor Neutralization	
Gauges	Pressure Gauges	Pressure Gauges shall have Diaphragm Seals. Oil filled.						
		Ashcroft						
		Trerice						
		Winter Gauges						

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater		
			Model #	Comments	Model #	Comments	Model #	Comments	
Pumps	Submersible	Submersible Pumps							
		ABS	NA	NA	NA	NA			
		Grundfos	NA	NA	NA	NA			
		Flygt	NA	NA	NA	NA			
	Vertical Turbine	Vertical Turbine Pumps							
		Flowserve					NA		
		Goulds					NA		
	Split Case	Centrifugal/Split Case/Submersible/End Suction							
		Flowserve					NA		
		Goulds					NA		
	Floats	Float Regulator (FR) - Duplex and Triplex Pump Stations							
		Atlantic Scientific	NA	NA	NA	NA	Roto-Float		
	Pump Station Main Service	Main Srvc Disconnect	Main Service Disconnect Breaker						
Square D			NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL)		
Surge Protector Device		Surge Protector - UL 1449, 3rd Edition listed and labeled, minimum 10 year warranty, NEMA LS-1 and IEEE62, 41/45 tested with NEMA 4X enclosure,							
		Current Technology (Power & Systems Innovations)	NA	NA	NA	NA	XN-80, TG-150 or CurrentGuard 150 Plus Series		
	Joslyn AKA (Total Protection Solutions)	NA	NA	NA	NA	TSS-ST 160 Series, ST 300 Series or JSP-300 Series			
Sub Panel	Sub Panel	Sub-Panel Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated-finish inside and out, With 3 Point Pad lockable Handle, and Door							
		Hoffman	NA	NA	NA	NA			
		Schaefer	NA	NA	NA	NA			
		Universal enclosure systems	NA	NA	NA	NA			
Pump Station Control Panel	Control Panel	Control Panel Supplier							
		ECS	NA	NA	NA	NA			
		Sta-Con Inc	NA	NA	NA	NA			
	Enclosure	Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated finish inside and out, With 3 Point Pad lockable Handle, and Door Stop							
		Hoffman	NA	NA	NA	NA			
		Schaefer	NA	NA	NA	NA			
	Mnts	Mounting Channel for Enclosures							
		Unistrut Stainless Steel	NA	NA	NA	NA	1" 5/8 x 1" 5/8 316 SS		
	Seal-off	Explosion-Proof Sealoff							
		Cooper Crouse-Hinds	NA	NA	NA	NA	EYSR - 2 Inch Min.		
FL	Flasher (FL)								
	MPE	NA	NA	NA	NA	025-120-105			
	SSAC	NA	NA	NA	NA	FS-126			

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater		
			Model #	Comments	Model #	Comments	Model #	Comments	
Pump Station Control Panel	AL	Alarm Light / With Base and Globe (AL)							
		American Electric	NA	NA	NA	NA	F32552		
		Red Dot Globe	NA	NA	NA	NA	VGLR-01		
		Red Dot Base					VA-01		
	AH	Alarm Horn (AH)							
		Wheelock	NA	NA	NA	NA	3IT-115-R		
	Fuse	Fuses (F)							
		Bussmann	NA	NA	NA	NA	FNQ-R or KTK-R		
	HOA	Hand-Auto-Off Selector (HOA)							
		Square D	NA	NA	NA	NA	9001-SKS43B		
	HSS	Horn Silence Button (HSS)							
		Square D	NA	NA	NA	NA	9001-SKR1RH5		
	Inter-lock	Mechanical Interlock							
		Square D	NA	NA	NA	NA	S29354		
	Breakers	Control Panel Main Circuit Breaker (MCB) With S29450 Circuit Breaker Auxiliary Switch							
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL)		
		Emergency Circuit Breaker (ECB) With S29450 Circuit Breaker Auxiliary Switch							
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL)		
		Motor Circuit Breaker (MB)							
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL)		
	MS	Control Circuit Breaker/ GFCI Receptacle Breaker/ SCADA Breaker							
		Square D	NA	NA	NA	NA	QOU120		
	MS	Motor Starter (MS)							
		Square D	NA	NA	NA	NA	Type S Class 8536		
	OL	Overload Heater(OL)							
		Square D	NA	NA	NA	NA	Part number will vary with size needed		
	OR	Overload Reset							
		Square D	NA	NA	NA	NA	9066-RA1		
Transformer	Control Circuit Transformer (XMFR)								
	Square D	NA	NA	NA	NA	9070TF75D23	120/24 Volt .075 KVA		
	Main Circuit Transformer (MCT)								
	Square D	NA	NA	NA	NA	9070T2000D1	480/120 2KVA		
SPB	Supplemental Protector Breaker - 3 pole, 1-amp for Phase Monitor								
	Square D	NA	NA	NA	NA	MG24532			

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater		
			Model #	Comments	Model #	Comments	Model #	Comments	
Pump Station Control Panel	PM	Phase Monitor (PM)							
		Diversified Electronics 240V	NA	NA	NA	NA	SLA-230-ASA		
		Diversified Electronics 480V	NA	NA	NA	NA	SLA-440-ASA		
	Pump Alternator	Pump Automatic Alternator (PAA)							
		Diversified Duplex	NA	NA	NA	NA	ARA-120-ACA		
		Diversified Triplex	NA	NA	NA	NA	ARA-120-AME		
		MPE Duplex	NA	NA	NA	NA	008-120-13SP		
		MPE Triplex	NA	NA	NA	NA	009-120-23P		
		MPE Triplex Socket	NA	NA	NA	NA	SD-12-PC		
	Alt. Test Switch	Alt. Test Switch							
		Carling Technologies	NA	NA	NA	NA	6GG5E-78		
		Honeywell	NA	NA	NA	NA	2TL1-50		
	Relay	Relay							
		Potter Brumfield 24 Volt	NA	NA	NA	NA	KRPA-11AN-24		
		Potter Brumfield 120 Volt	NA	NA	NA	NA	KRPA-11AN-120		
		Square D 24 Volt	NA	NA	NA	NA	8501KP12P14V14		
		Square D 120Volt	NA	NA	NA	NA	8501KP12P14V20		
	Relay Base	Relay Base							
		IEDC 8 Pin Relay Base 600 Volt	NA	NA	NA	NA	SR2P-06		
	Duplex Receptacle / GFCI	Duplex Receptacle/GFCI (DR) Upgraded to 20 Amp							
		Hubbell	NA	NA	NA	NA	GFTR20BK		
		Pass & Seymour	NA	NA	NA	NA	2095TRBK		
	ETM	EIapse Time Meter (ETM)							
		Reddington	NA	NA	NA	NA	711-0160		
	Grounding	Grounding System							
		Marathon	NA	NA	NA	NA	Neutral Isolation Block 1421570		
		Panduit	NA	NA	NA	NA	Ground Lug LAM2A 1/0 - 014 -6Y		
		Square D	NA	NA	NA	NA	Ground Buss PK7GTA		
	TS	Terminal Strip (TS)							
		Marathon	NA	NA	NA	NA	Series 200		
Square D		NA	NA	NA	NA	9080GR6			
TS	Terminal Strip End Blocks and End Clamps								
	Square D	NA	NA	NA	NA	9080GM6B &			

LIST OF APPROVED PRODUCTS

August, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pump Station Control Panel	PL	Pilot Light (PL) 24 Volt with 1819 Bulb						
		Dialight	NA	NA	NA	NA	803-1710	
		Lighting Components & Design	NA	NA	NA	NA	Littlelight 930507X	
	RL	Run Indicator Light (RL) 120 Volt						
		Dialight	NA	NA	NA	NA	803-1710	
		Lighting Components & Design	NA	NA	NA	NA	Littlelites 930507X With 120MB Bulb	
	MT	Moisture and Temperature Failure Light (MT) 120 Volt with 120MB Bulb						
		Dialight	NA	NA	NA	NA	803-1710	
		Lighting Components & Design	NA	NA	NA	NA	Littlelites 930507X	
Sluice	Sluice Gate	Sluice Gate for Wet Well with Motorized Operator						
		BNW	NA	NA	NA	NA	Model 77 - 316 SS	
		Fontaine	NA	NA	NA	NA	Model 20 - 316 SS	
Actuator	Valve Actuator	Motorized Valve Actuator						
		AUMA						
Starter	Soft Starter	Soft Starter						
		Yaskawa						
VFD	VFD	Variable Frequency Drives						
		Yaskawa						

LIST OF APPROVED PRODUCTS - LIFT STATION SYSTEMS

June, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Generator	Gen	Generator Systems, Fixed Shall be UL 2200 Certified.						
		Caterpillar	NA	NA	NA	NA	CAT Diesel Generator Set	
		Cummins Power Generation	NA	NA	NA	NA	Diesel Generator Set	
	Fuel Tanks	Generator Fuel Tanks. Shall be UL2085 certified.						
		Convault	NA	NA	NA	NA	CVT-3SF or CVT-3FF	
	GR	Generator Receptacle (GR)						
		Russellstoll - Thomas & Betts					JRSB 1044 FR (100 amp)	For < 25 Hp Pumps.
	ATS	Generator Transfer Switch						
		Emerson/ASCO						
		Cummins						
Eaton/Culter-Hammer								
Transfer Switch	Manual - Generator Transfer Switch							
	Ruselectric	NA	NA	NA	NA	RMTD Series with model 2000 controller	NEMA 12/3R 316SS	
Odor Control	Odor Control Units	Odor Control Units						
		Heyward Florida Incorporated	NA	NA	NA	NA	HIVENT Passive Vapor Phase Odor Neutralization	
		Heyward Florida Incorporated	NA	NA	NA	NA	HICARB Odor Control Systems	
		Heyward Florida Incorporated	NA	NA	NA	NA	HIBOCS Biological Air Scrubber System	
		Heyward Florida Incorporated	NA	NA	NA	NA	HIVON Vapor Phase Odor Neutralization	
Gauges	Pressure Gauges	Pressure Gauges shall have Diaphragm Seals. Oil filled.						
		Ashcroft						
		Tertrice						
		Winter Gauges						
Pumps	Submersible	Submersible Pumps						
		ABS	NA	NA	NA	NA		
		Grundfos	NA	NA	NA	NA		
	Vertical Turbine	Vertical Turbine Pumps						
		Flowserve					NA	
		Goulds					NA	
	Split Case	Centrifugal/Split Case/Submersible/End Suction						
		National					NA	
		Flowserve					NA	
	Floats	Float Regulator (FR) - Duplex and Triplex Pump Stations						
Flygt						NA		
Goulds						NA		
Floats	Float Regulator (FR) - Duplex and Triplex Pump Stations							
	Atlantic Scientific	NA	NA	NA	NA	Roto-Float		

LIST OF APPROVED PRODUCTS - LIFT STATION SYSTEMS

June, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pump Station Main Service	Main Srvc Disconnect	Main Service Disconnect Breaker						
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)	
	Surge Protector Device	Surge Protector - UL 1449, 3rd Edition listed and labeled, minimum 10 year warranty, NEMA LS-1 and IEEE C62, 41/45 tested with NEMA 4X enclosure, internal fusing, voltage and phase to match service. Rated 80,000 amps per mode for Duplex & Triplex stations and 150,000 Amperes per mode for Master Stations. All devices shall be provided with a NEMA 4X Plastic enclosure which is approved in lieu of stainless steel.						
		Current Technology (Power & Systems)	NA	NA	NA	NA	XN-80, TG-150 or CurrentGuard 150 Plus Series	
	Joslyn AKA (Total Protection Solutions)	NA	NA	NA	NA	TSS-ST 160 Series, ST 300 Series or JSP-300 Series		
	Surge Suppressors, Inc	NA	NA	NA	NA	LSE Series or SHL Series		
Sub Panel	Sub Panel	Sub-Panel Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated-finish inside and out, With 3 Point Pad lockable Handle, and Door Stop						
		Hoffman	NA	NA	NA	NA		
		Schaefer	NA	NA	NA	NA		
		Universal enclosure systems	NA	NA	NA	NA		
Pump Station Control Panel	Control Panel	Control Panel Supplier						
		ECS	NA	NA	NA	NA		
		Sta-Con Inc	NA	NA	NA	NA		
	Enclosure	Enclosure - NEMA 12/3R Enclosure 316SS, white polyester Powder coated finish inside and out, With 3 Point Pad lockable Handle, and Door Stop						
		Hoffman	NA	NA	NA	NA		
		Schaefer	NA	NA	NA	NA		
		Universal enclosure systems	NA	NA	NA	NA		
	Mnts	Mounting Channel for Enclosures						
		Unistrut Stainless Steel	NA	NA	NA	NA	1" 5/8 x 1" 5/8 316 SS	
	Seal-off	Explosion-Proof Sealoff						
	Cooper Crouse-Hinds	NA	NA	NA	NA	EYSR - 2 Inch Min.		
FL	Flasher (FL)							
		MPE	NA	NA	NA	NA	025-120-105	
		SSAC	NA	NA	NA	NA	FS-126	

LIST OF APPROVED PRODUCTS - LIFT STATION SYSTEMS

June, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pump Station Control Panel	AL	Alarm Light / With Base and Globe (AL)						
		American Electric	NA	NA	NA	NA	F32552	
		Red Dot Globe	NA	NA	NA	NA	VGLR-01	
		Red Dot Base					VA-01	
	AH	Alarm Horn (AH)						
		Wheelock	NA	NA	NA	NA	3IT-115-R	
	Fuse	Fuses (F)						
		Bussmann	NA	NA	NA	NA	FNQ-R or KTK-R	
	HOA	Hand-Auto-Off Selector (HOA)						
		Square D	NA	NA	NA	NA	9001-SKS43B	
	HSS	Horn Silence Button (HSS)						
		Square D	NA	NA	NA	NA	9001-SKR1RH5	
	Inter-lock	Mechanical Interlock						
		Square D	NA	NA	NA	NA	S29354	
	Breakers	Control Panel Main Circuit Breaker (MCB) With S29450 Circuit Breaker Auxiliary Switch						
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)	
		Emergency Circuit Breaker (ECB) With S29450 Circuit Breaker Auxiliary Switch						
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)	
		Motor Circuit Breaker (MB)						
		Square D	NA	NA	NA	NA	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)	
MS	Control Circuit Breaker/ GFCI Receptacle Breaker/ SCADA Breaker							
	Square D	NA	NA	NA	NA	QOU120		
MS	Motor Starter (MS)							
	Square D	NA	NA	NA	NA	Type S Class 8536		
OL	Overload Heater(OL)							
	Square D	NA	NA	NA	NA	Part number will vary with size needed		
OR	Overload Reset							
	Square D	NA	NA	NA	NA	9066-RA1		

LIST OF APPROVED PRODUCTS - LIFT STATION SYSTEMS

June, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pump Station Control Panel	Transformer	Control Circuit Transformer (XMFR)						
		Square D	NA	NA	NA	NA	9070TF75D23	120/24 Volt .075 KVA
	Transformer	Main Circuit Transformer (MCT)						
		Square D	NA	NA	NA	NA	9070T2000D1	480/120 2KVA
	SPB	Supplemental Protector Breaker - 3 pole, 1-amp for Phase Monitor						
		Square D	NA	NA	NA	NA	MG24532	
	PM	Phase Monitor (PM)						
		Diversified Electronics 240V	NA	NA	NA	NA	SLA-230-ASA	
		Diversified Electronics 480V	NA	NA	NA	NA	SLA-440-ASA	
	Pump Alternator	Pump Automatic Alternator (PAA)						
		Diversified Duplex	NA	NA	NA	NA	ARA-120-ACA	
		Diversified Triplex	NA	NA	NA	NA	ARA-120-AME	
	Alt. Test Switch	Alt. Test Switch						
		Carling Technologies	NA	NA	NA	NA	6GG5E-78	
		Honeywell	NA	NA	NA	NA	2TL1-50	
	Relay	Relay						
		Potter Brumfield 24 Volt	NA	NA	NA	NA	KRPA-11AN-24	
		Potter Brumfield 120 Volt	NA	NA	NA	NA	KRPA-11AN-120	
		Square D 24 Volt	NA	NA	NA	NA	8501KP12P14V14	
		Square D 120Volt	NA	NA	NA	NA	8501KP12P14V20	
	Relay Base	Relay Base						
		IEDC 8 Pin Relay Base 600 Volt	NA	NA	NA	NA	SR2P-06	
	Duplex Receptacle / GFCI	Duplex Receptacle/GFCI (DR) Upgraded to 20 Amp						
Hubbell		NA	NA	NA	NA	GFTR20BK		
Pass & Seymour		NA	NA	NA	NA	2095TRBK		
ETM	EIapse Time Meter (ETM)							
	Reddington	NA	NA	NA	NA	711-0160		
Grounding	Grounding System							
	Marathon	NA	NA	NA	NA	Neutral Isolation Block 1421570		
	Panduit	NA	NA	NA	NA	Ground Lug LAM2A 1/0 - 014 -6Y		
	Square D	NA	NA	NA	NA	Ground Buss PK7GTA		

LIST OF APPROVED PRODUCTS - LIFT STATION SYSTEMS

June, 2018

Cat.	Desc	Manufacturer	Water		Reclaimed Water		Wastewater	
			Model #	Comments	Model #	Comments	Model #	Comments
Pump Station Control Panel	TS	Terminal Strip (TS)						
		Marathon	NA	NA	NA	NA	Series 200	
		Square D	NA	NA	NA	NA	9080GR6	
	TS	Terminal Strip End Blocks and End Clamps						
		Square D	NA	NA	NA	NA	9080GM6B & 9080GH10	
	PL	Pilot Light (PL) 24 Volt with 1819 Bulb						
		Dialight	NA	NA	NA	NA	803-1710	
		Lighting Components & Design	NA	NA	NA	NA	Littlelight 930507X	
	RL	Run Indicator Light (RL) 120 Volt						
		Dialight	NA	NA	NA	NA	803-1710	
Lighting Components & Design		NA	NA	NA	NA	Littlelites 930507X With 120MB Bulb		
MT	Moisture and Temperature Failure Light (MT) 120 Volt with 120MB Bulb							
	Dialight	NA	NA	NA	NA	803-1710		
	Lighting Components & Design	NA	NA	NA	NA	Littlelites 930507X		
Sluice Gate	Sluice Gate for Wet Well with Motorized Operator							
	BNW	NA	NA	NA	NA	Model 77 - 316 SS		
Sluice Gate	Fontaine	NA	NA	NA	NA	Model 20 - 316 SS		
	Valve Actuator	Motorized Valve Actuator						
AUMA								
Soft Starter	Soft Starter							
	Yaskawa					NA		
VFD	Variable Frequency Drives							
	Yaskawa	NA	NA	NA	NA			